10/570,435
(Please scan into case)

Connecting via Winsock to STN

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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	4	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	5	AUG 30	CA(SM)/CAplus(SM) Austrian patent law changes
NEWS	6	SEP 11	CA/CAplus enhanced with more pre-1907 records
NEWS	7	SEP 21	CA/CAplus fields enhanced with simultaneous left and right truncation
NEWS	8	SEP 25	CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS	9	SEP 25	CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS	10	SEP 25	CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS	11	SEP 28	CEABA-VTB classification code fields reloaded with new classification scheme
NEWS	12	OCT 19	LOGOFF HOLD duration extended to 120 minutes
NEWS	13	OCT 19	E-mail format enhanced
NEWS	14	OCT 23	Option to turn off MARPAT highlighting enhancements available
NEWS	15	OCT 23	CAS Registry Number crossover limit increased to 300,000 in multiple databases
NEWS	16	OCT 23	The Derwent World Patents Index suite of databases on STN has been enhanced and reloaded
NEWS	17	OCT 30	CHEMLIST enhanced with new search and display field
NEWS	18	NOV 03	JAPIO enhanced with IPC 8 features and functionality
NEWS	19	NOV 10	CA/CAplus F-Term thesaurus enhanced
NEWS	20	NOV 10	STN Express with Discover! free maintenance release Version 8.01c now available
NEWS	21	NOV 13	CA/CAplus pre-1967 chemical substance index entries enhanced with preparation role
NEWS	22	NOV 20	CAS Registry Number crossover limit increased to 300,000 in additional databases
NEWS	23	NOV 20	CA/CAplus to MARPAT accession number crossover limit increased to 50,000
NEWS	24	NOV 20	CA/CAplus patent kind codes will be updated

NEWS EXPRESS NOVEMBER 10 CURRENT WINDOWS VERSION IS V8.01c, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 25 SEPTEMBER 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 02:53:57 ON 27 NOV 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 02:54:45 ON 27 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 NOV 2006 HIGHEST RN 913944-64-6
DICTIONARY FILE UPDATES: 24 NOV 2006 HIGHEST RN 913944-64-6

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

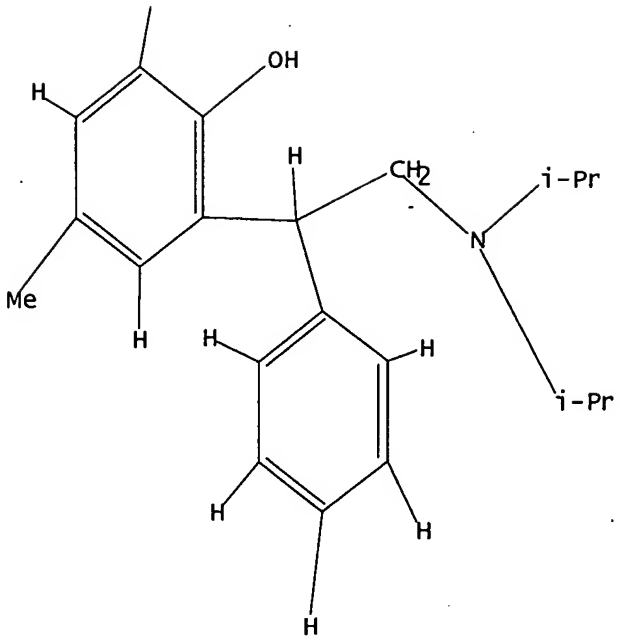
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=>
Uploading C:\Program Files\Stnexp\Queries\10510435.str

L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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=> s l1
SAMPLE SEARCH INITIATED 02:58:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -        0 TO ITERATE

100.0% PROCESSED        0 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            0 TO        0
PROJECTED ANSWERS:               0 TO        0

L2            0 SEA SSS SAM L1

=> search l1
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 02:58:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -        7 TO ITERATE

100.0% PROCESSED        7 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

L3            0 SEA SSS FUL L1

=>
Uploading C:\Program Files\Stnexp\Queries\10510435a.str

L4      STRUCTURE UPLOADED

=> d l4
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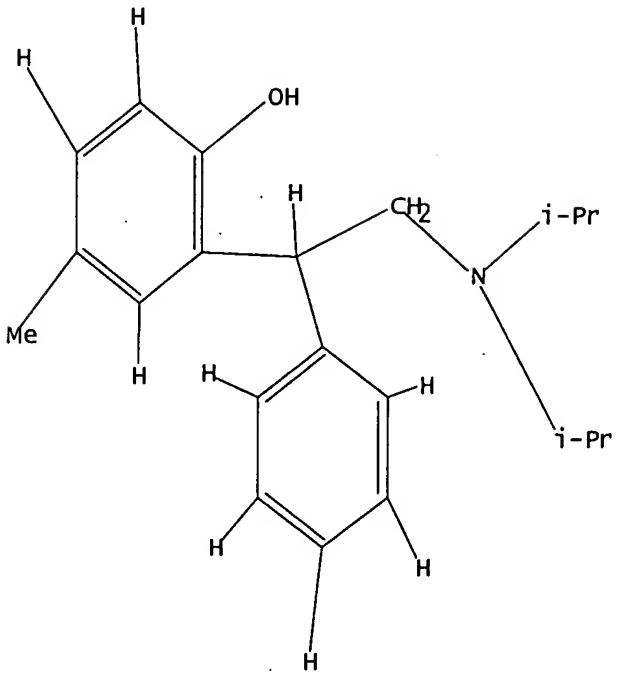
L4 HAS NO ANSWERS
L4 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l4
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SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 0 TO 0
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L4

=> search l4
ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.
ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full
FULL SEARCH INITIATED 03:01:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L6 0 SEA SSS FUL L4

=> s tolteridine
L7 0 TOLTERIDINE

```
=> s tolterodine
L8            7 TOLTERODINE

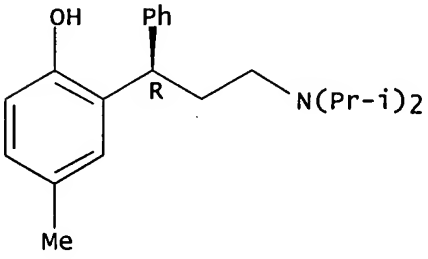
=> d l8

L8   ANSWER 1 OF 7  REGISTRY  COPYRIGHT 2006 ACS on STN
RN   209747-05-7  REGISTRY
ED   Entered STN:  11 Aug 1998
CN   Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-,
     (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI)  (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN   Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-,
     [R-(R*,R*)]-2,3-dihydroxybutanedioate (salt)
OTHER NAMES:
CN   (R)-Tolterodine L-tartrate
FS   STEREOSEARCH
MF   C22 H31 N O . x C4 H6 O6
SR   CA
LC   STN Files:   CA, CAPLUS, CASREACT, IMSPATENTS, IMSRESEARCH, USPATFULL

     CM   1

     CRN  124937-51-5
     CMF  C22 H31 N O

Absolute stereochemistry.  Rotation (+).
```

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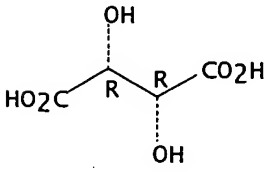
     CM   2

     CRN  87-69-4
     CMF  C4 H6 O6

Absolute stereochemistry.
```




```
              6 REFERENCES IN FILE CA (1907 TO DATE)
              6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d 1-7
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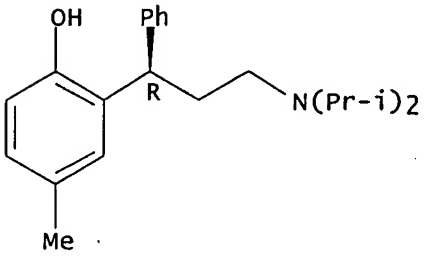
L8 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 209747-05-7 REGISTRY
ED Entered STN: 11 Aug 1998
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, [R-(R*,R*)]-2,3-dihydroxybutanedioate (salt)
OTHER NAMES:
CN (R)-Tolterodine L-tartrate
FS STEREOSEARCH
MF C22 H31 N O . x C4 H6 O6
SR CA
LC STN Files: CA, CAPLUS, CASREACT, IMSPATENTS, IMSRESEARCH, USPATFULL

CM 1

CRN 124937-51-5
CMF C22 H31 N O

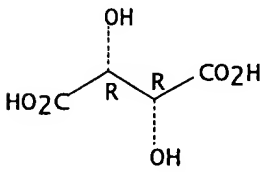
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.

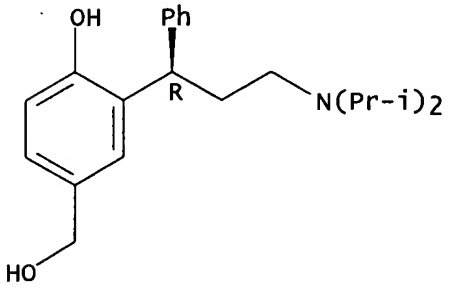


6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 207679-81-0 REGISTRY
ED Entered STN: 25 Jun 1998
CN Benzenemethanol, 3-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-hydroxy- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 5-Hydroxymethyltolterodine
CN PNU 200577
FS STEREOSEARCH

DR 156755-19-0
MF C22 H31 N O2
CI COM
SR CA
LC STN Files: BIOSIS, CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry. Rotation (+).

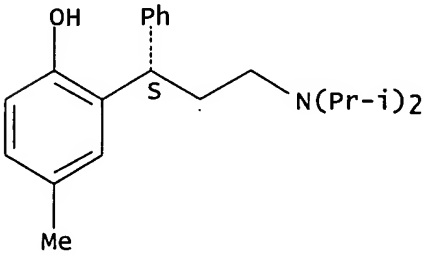


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

43 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
43 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 124937-53-7 REGISTRY
ED Entered STN: 26 Jan 1990
CN Phenol, 2-[(1S)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-
(9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 2-[3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (S)-
OTHER NAMES:
CN (S)-Tolterodine
FS STEREOSEARCH
MF C22 H31 N O
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

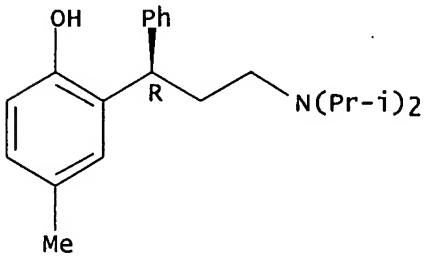
9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 124937-52-6 REGISTRY
ED Entered STN: 26 Jan 1990
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 2-[3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (R)-, [R-(R*,R*)]-2,3-dihydroxybutanedioate (1:1) (salt)
OTHER NAMES:
CN (R)-Tolterodine L-tartrate
CN Detrol
CN Detrusitol
CN PNU 200583E
CN Tolterodine tartrate
CN Tolterodinium (+)-(2R,3R)-hydrogen tartrate (1:1)
FS STEREOSEARCH
MF C22 H31 N O . C4 H6 O6
CI COM
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, ANABSTR, BIOSIS, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, CSCHEM, IMSCOSEARCH, IMSPATENTS, IMSRESEARCH, IPA, MRCK*, PATDPASPC, PROMT, PROUSDDR, PS, RTECS*, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File.contains numerically searchable property data)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

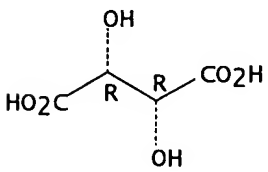
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.

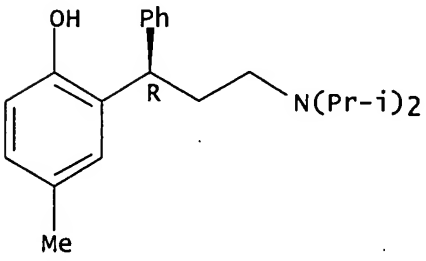


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

82 REFERENCES IN FILE CA (1907 TO DATE)
82 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 124937-51-5 REGISTRY
ED Entered STN: 26 Jan 1990
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phenol, 2-[3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (R)-
OTHER NAMES:
CN (+)-Tolterodine
CN (R)-(+)-Tolterodine
CN (R)-N,N-Diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropanamine
CN (R)-N,N-Diisopropyl-N-[3-(2-hydroxy-5-methylphenyl)-3-phenylpropyl]amine
CN (R)-Tolterodine
CN Kabi 2234
CN PNU 200583
CN Tolterodine
FS STEREOSEARCH
DR 215929-30-9
MF C22 H31 N O
CI COM
SR CA
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CIN, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: WHO

Absolute stereochemistry. Rotation (+).

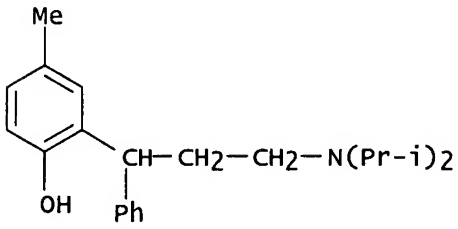


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

267 REFERENCES IN FILE CA (1907 TO DATE)
8 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
268 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 124936-75-0 REGISTRY
ED Entered STN: 26 Jan 1990
CN Phenol, 2-[3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-,

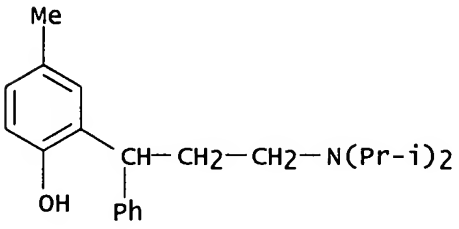
hydrochloride (9CI) (CA INDEX NAME)
OTHER NAMES:
CN (+-)-Tolterodine hydrochloride
CN N,N-Diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine hydrochloride
MF C22 H31 N O . Cl H
SR CA
LC STN Files: ADISINSIGHT, CA, CAPLUS, CASREACT, IMSPATENTS, IMSRESEARCH, TOXCENTER, USPATFULL
CRN (124936-74-9)



● HCl

5 REFERENCES IN FILE CA (1907 TO DATE)
5 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L8 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2006 ACS on STN
RN 124936-74-9 REGISTRY
ED Entered STN: 26 Jan 1990
CN Phenol, 2-[3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN N,N-Diisopropyl-N-[3-(2-hydroxy-5-methylphenyl)-3-phenylpropyl]amine
CN Racemic tolterodine
MF C22 H31 N O
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, PS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

20 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
20 REFERENCES IN FILE CAPLUS (1907 TO DATE)

```
=> s 124937-52-6
L9             1 124937-52-6
                 (124937-52-6/RN)

=> s 209747-05-7
L10            1 209747-05-7
                 (209747-05-7/RN)

=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   369.60     369.81

FILE 'CAPLUS' ENTERED AT 03:10:42 ON 27 NOV 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 AMERICAN CHEMICAL SOCIETY (ACS)
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FILE COVERS 1907 - 27 Nov 2006  VOL 145 ISS 23
FILE LAST UPDATED: 26 Nov 2006  (20061126/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l9
L11           82 L9

=> s l10
L12            6 L10

=> s l12 not l11
L13            6 L12 NOT L11

=> d l11 1-82 fbib ab hitstr

L11  ANSWER 1 OF 82  CAPLUS  COPYRIGHT 2006 ACS on STN
AN   2006:1073192  CAPLUS
DN   145:425975
TI   Method for manufacturing tolterodine tartrate soft capsule
IN   Wan, Liuyi
PA   Peop. Rep. China
SO   Faming Zhuanli Shenqing Gongkai Shuomingshu, 6pp.
     CODEN: CNXXEV
DT   Patent
LA   Chinese
FAN.CNT 1
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1709231	A	20051221	CN 2005-10080363	20050704
				CN 2005-10080363	20050704

AB The title tolterodine tartrate soft capsule comprises a solution or suspension content which includes tolterodine tartrate and at least one substance selected from the group including solvent (preferably PEG400 or soybean oil), solution adjuvant (preferably propylene glycol), suspending agent (PEG6000), solubilizer (preferably NaOH solution or oleic acid), and surfactant (Span-80, Tween-80,etc).

IT 124937-52-6, Tolterodine tartrate
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(method for manufacturing tolterodine tartrate soft capsule)

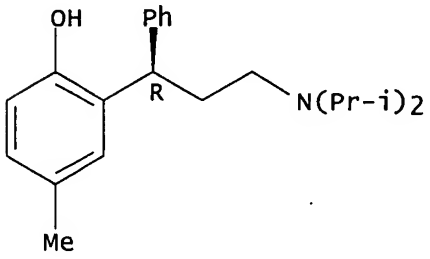
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

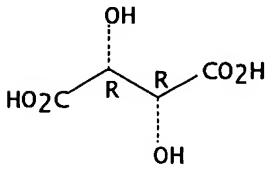
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 2 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:1006721 CAPLUS
DN 145:383488
TI Methods and compositions containing bicifadine for the treatment of urinary incontinence
IN Skolnick, Phil
PA Dov Pharmaceutical, Inc., USA
SO PCT Int. Appl., 50pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006102029	A2	20060928	WO 2006-US9638	20060317
WO 2006102029	A3	20061109		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

US 2005-664002P P 20050321

AB Methods and compns. containing bicifadine are provided for the prevention and treatment of lower urinary tract disorders in mammalian subjects. The methods and compns. may be used to prevent or treat urinary incontinence, urinary urgency, nocturia, and enuresis associated with neurogenic and non-neurogenic overactive bladder, interstitial cystitis, prostatitis, and benign prostatic hyperplasia, among other conditions. Addnl. compns. and methods are provided which employ bicifadine in combination with a second anti-incontinence agent, or a different therapeutic agent to yield more effective anti-incontinence treatment tools, and/or dual activity therapeutic methods and formulations useful to prevent or reduce urinary incontinence and one or more addnl. symptoms such as urinary urgency, overflow, frequency, or pain in mammalian subjects. Bicifadine-HCl was prepared in a series of steps starting from p-tolylacetic acid. This was converted to polymorph form B by using isopropanol.

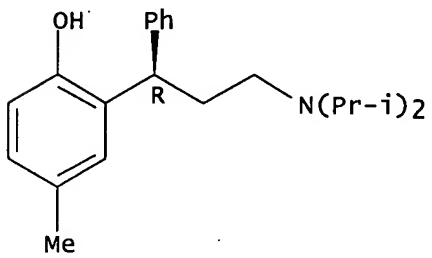
IT 124937-52-6, Tolterodine tartrate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(methods and compns. containing bicifadine for treatment of urinary incontinence)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

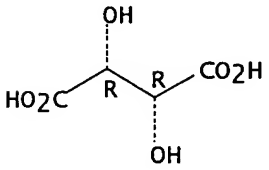
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 3 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:918812 CAPLUS
DN 145:299643
TI Antibiotic and combinations of antibiotic and symptomatic relief agent formulations
IN Evans, Donald L.; Bryant, Thomas J.; Ping, Jeffrey H.; Roberts, Richard Howard; Sirico, William J.; Arnold, Kristin; Davis, Matthew William; Hayer, Gregory Keith; Nielsen, Kurt R.
PA Mutual Pharmaceutical Company, Inc., USA
SO PCT Int. Appl., 72pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006093784	A2	20060908	WO 2006-US6412	20060224
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
			US 2005-656496P	P 20050225
			US 2005-671979P	P 20050415
US 2006205682	A1	20060914	US 2006-362547	20060224
			US 2005-656496P	P 20050225
			US 2005-671979P	P 20050415

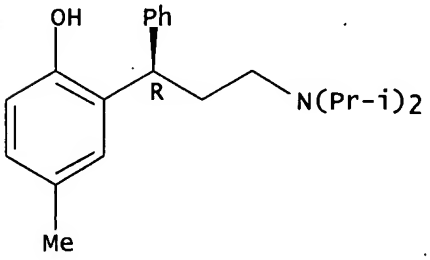
AB Disclosed herein are antibiotic formulations and combinations of antibiotic and symptomatic relief agent formulations. The combinations are suitable to treat a variety of diseases, including an infection, while treating the symptoms associated with the disease. Also disclosed are methods of treating a disease or an infection and its symptoms, as well as pharmaceutical kits containing such formulations. Tablets contained trimethoprim 80, and sulfamethoxazole 400 mg.
IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antibiotic and combinations of antibiotic and symptomatic relief agent

formulations)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

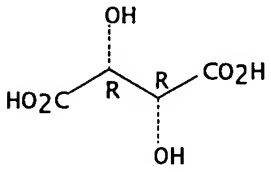
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 4 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:742863 CAPLUS
DN 145:152914
TI Stability-indicating HPLC determination of tolterodine tartrate in pharmaceutical dosage form
AU Saxena, Vinay; Zaheer, Zahid; Farooqui, Mazhar
CS Maulana Azad College, Aurangabad, 431 001, India
SO Indian Journal of Chemical Technology (2006), 13(3), 242-246
CODEN: ICHTEU; ISSN: 0971-457X
PB National Institute of Science Communication and Information Resources
DT Journal
LA English
AB A simple, selective, precise and stability-indicating high-performance liquid chromatog. (HPLC) method of anal. tolterodine tartrate in pharmaceutical dosage form was developed and validated. The chromatog. conditions comprised a reversed-phase C18 column (250 + 4.6 mm), 5 μ with a mobile phase consisting of a mixture of buffer solution (2.88 g ammonium dihydrogen orthophosphate in 1 L of water) and methanol in the ratio of 40: 60. Triethylamine (5 mL /L) was added to it and pH of mobile phase was adjusted to 7.0 ± 0.1 with orthophosphoric acid at a flow rate of 1.5 mL/min. Detection was carried out at 220 nm. The retention

time of tolterodine was 6.49 min. The linear regression anal. data for the calibration plots showed good linear relationship with coefficient of regression value, r2 = 0.99 in the concentration range 200.60-601.80 μg per mL. The value of correlation coefficient, slope and intercept were 1.0, 20.87 and -6.87, resp. The method was validated for precision, recovery, ruggedness and robustness. The drug undergoes degradation under acidic, basic, photochem. and thermal conditions. All the peaks of degraded product were resolved from the active pharmaceutical ingredient with significantly different retention time. The samples degraded with hydrogen peroxide showed no addnl. peak. This indicates that the drug is susceptible to acid-base hydrolysis, photochem. and thermal degradation Statistical anal. proves that the method is reproducible and selective for the estimation of said drug. As the method could effectively sep. the drug from its degradation product, it can be employed as a stability-indicating one.

IT 124937-52-6, Tolterodine tartrate
RL: ANT (Analyte); ANST (Analytical study)
(stability-indicating HPLC determination of tolterodine tartrate in pharmaceutical dosage form)

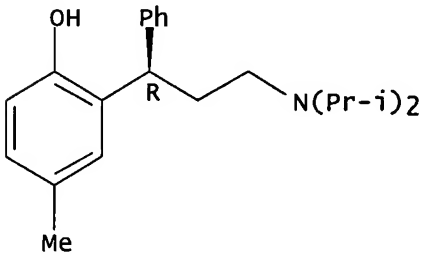
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

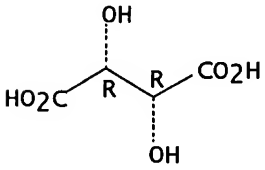
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 5 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2006:687413 CAPLUS
DN 145:195647
TI Tolterodine tartrate dripping pill and its preparation method
IN Zhang, Xiaoming; Wang, Jun; Wu, Yuanyan
PA Zhuhai Skypharm Technology Development Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 6 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CN 1686095	A	20051026	CN 2005-10034026	20050412
			CN 2005-10034026	20050412

AB The invention relates to a tolterodine tartrate dripping pill, which comprises 0.5-25% of tolterodine tartrate and 75-99.5% of matrix. The preparation method comprises adding tolterodine tartrate to melted matrix, mixing to even, dripping into a cooling to obtain dripping pills, and drying. The inventive dripping pill can disintegrate rapidly and is especially suitable for children, the elderly, bed patients, and patients with dysphagia.

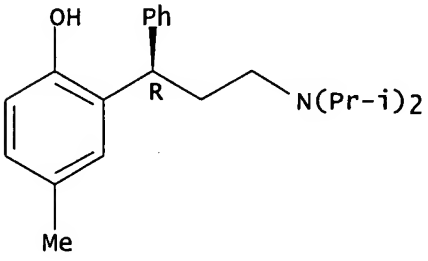
IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tolterodine tartrate dripping pill and its preparation)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

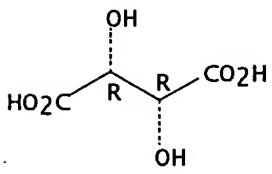
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 6 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:687412 CAPLUS
DN 145:174294
TI Sustained-release tolterodine tartrate dripping pill and its preparation method
IN Zhang, Xiaoming; Wang, Jun; Ding, Feng; Wu, Yuanyan
PA Zhuhai Skypharm Technology Development Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 5 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

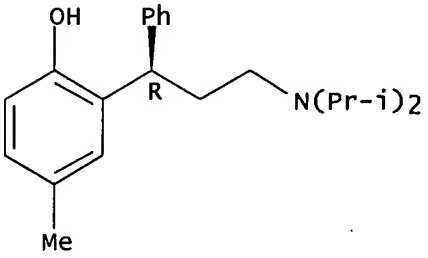
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1686094	A	20051026	CN 2005-10034025	20050412
				CN 2005-10034025	20050412

AB The invention relates to a sustained-release tolterodine tartrate dripping pill which comprises tolterodine tartrate 2-20%, hydrophobic matrix 1-30%, and hydrophilic matrix 40-98%. The preparation method comprises heating and melting the matrixes, adding tolterodine tartrate to form a suspension, dripping into a cooling agent to obtain dripping pills, and drying.
IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Sustained-release tolterodine tartrate dripping pill and its preparation method)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

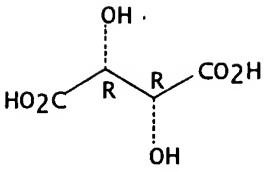
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 7 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:677667 CAPLUS
DN 145:130840
TI Process for preparing tolterodine tartrate
IN Kovacs, Laszlo Zsolt; Szabo, Csaba; Molnarne, Erika Magyar; Singer, Claude
PA Teva Pharmaceutical Industries, Ltd., Israel; Teva Pharmaceuticals Usa, Inc.
SO PCT Int. Appl., 19 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2006074479	A1	20060713	WO 2006-US917		20060110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614
	US 2006194876	A1	20060831	US 2006-329915		20060110
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614
	US 2006194987	A1	20060831	US 2006-329922		20060110
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614

PATENT FAMILY INFORMATION:
FAN 2006:677666

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2006074478	A1	20060713	WO 2006-US916		20060110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					

				US 2005-642866P	P 20050110
				US 2005-690823P	P 20050614
US 2006194876	A1	20060831	US 2006-329915		20060110
				US 2005-642866P	P 20050110
				US 2005-690823P	P 20050614
US 2006194987	A1	20060831	US 2006-329922		20060110
				US 2005-642866P	P 20050110
				US 2005-690823P	P 20050614

AB The invention encompasses processes for making tolterodine tartrate. Tolterodine hydrobromide was prepared and treated with KOH to give the free base. L-Tartaric acid was dissolved in EtOH and treated with the tolterodine to give the title compound

IT 124937-52-6P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(process for preparing tolterodine tartrate)

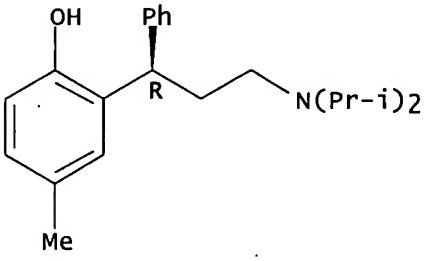
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

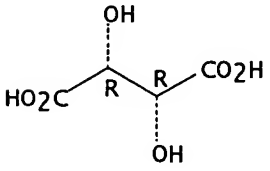
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 8 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:677666 CAPLUS
DN 145:130977
TI Substantially pure tolterodine tartrate and process for preparing thereof

IN Kovacs, Laszlo Zsolt; Szabo, Csaba; Molnarne, Erika Magyar; Singer, Claude
PA Teva Gyogyszergyar Reszvenytarsasag, Hung.; Teva Pharmaceuticals Usa, Inc.; Teva Pharmaceutical Industries Ltd.
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2006074478	A1	20060713	WO 2006-US916		20060110
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	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614
	US 2006194876	A1	20060831	US 2006-329915		20060110
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614
	US 2006194987	A1	20060831	US 2006-329922		20060110
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614

PATENT FAMILY INFORMATION:
FAN 2006:677667

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2006074479	A1	20060713	WO 2006-US917		20060110
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW					
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614
	US 2006194876	A1	20060831	US 2006-329915		20060110
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614
	US 2006194987	A1	20060831	US 2006-329922		20060110
				US 2005-642866P	P	20050110
				US 2005-690823P	P	20050614

AB The present invention provides substantially pure tolterodine tartrate having <0.5% of total impurities, as determined by HPLC, and a pharmaceutical composition comprising the substantially pure tolterodine tartrate and at least one pharmaceutically acceptable excipient. Thus, a solution was formed by combining the N,N-diisopropyl[3-(2-methoxy-5-methylphenyl)-3-

phenylpropyl]amine fumarate (200 g, 0.439 mol) and HBr in acetic acid and stirring at about 110° to 115° for 14 h. The solution was cooled to room temperature and ice water was added, forming a slurry. The slurry was cooled to 5°, filtered and dried at about 65° under vacuum to yield tolterodine hydrobromide (164.4 g) of 99.26% purity, as determined by HPLC. To a mixture of tolterodine hydrobromide (100 g, 0.246 mol), Et acetate and water at room temperature was added potassium hydroxide (50%, 300 mL). After stirring for approx. 15 to 30 min, two clear homogeneous layers formed. The layers were separated, and an organic phase was obtained. L-tartaric acid (38.33 g) dissolved in ethanol was added in one portion to the organic phase, at room temperature, forming a slurry. The slurry was cooled to 0° and maintained at this temperature for about 15 h, then it was filtered, washed and dried yielding tolterodine tartrate (62.6 g). The tolterodine tartrate was recrystd. from dry ethanol yielding tolterodine tartrate (41.2 g) of 99.84% purity, as determined by HPLC.

IT 124937-52-6P, Tolterodine tartrate
RL: ANT (Analyte); SPN (Synthetic preparation); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substantially pure tolterodine tartrate for dosage forms)

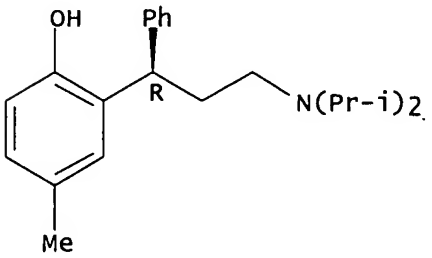
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

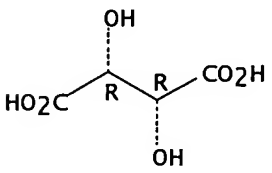
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 9 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:627597 CAPLUS
DN 145:103428
TI Process for preparation of 3-(2-hydroxy-5-methylphenyl)-N,N-diisopropyl-3-phenylpropylamine
IN Toplak, Renata
PA Lek Pharmaceuticals D.D., Slovenia
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

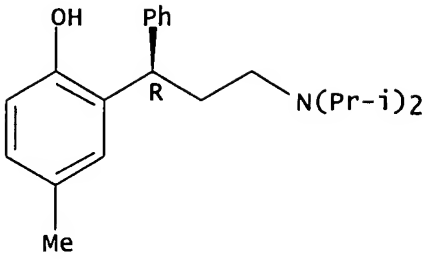
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006066931	A1	20060629	WO 2005-EP13899	20051222
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
			SI 2004-349	A 20041224

OS MARPAT 145:103428
AB A new process for the preparation of 3-(2-hydroxy-5-methylphenyl)-N,N-diisopropyl-3-phenylpropylamine (tolterodine) from 3,4-dihydro-6-methyl-4-phenyl-2-benzopyran-2-one is characterized by intermediates such as 3-(2-hydroxy-5-methylphenyl)-3-phenylpropanol (I) and its sulfonated derivs. and amination in the presence of sodium iodide. Thus, treatment of I ditosylate with diisopropylamine and deoxygenation with t-BuOK in t-BuOH and deoxygenated deionized water afforded tolterodine, which was resolved as the (+)-tartrate.
IT 124937-52-6P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of (hydroxymethylphenyl)diisopropylphenylpropylamine (tolterodine))
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

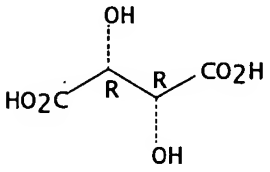
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 10 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:409059 CAPLUS
DN 144:412229
TI Process for preparing high-purity tolterodine
IN Venkataraman, Sundaram; Mathad, Vijayavitthal Thippannachar; Reddy, Kikkuru Srirami; Srinivasan, Neti; Reddy, Chinta Raveendra; Arunagiri, Muthulingam; Kumari, Routhu Lalitha
PA India
SO U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI US 2006094904	A1	20060504	US 2005-259322		20051026
			US 2004-622829P	P	20041028

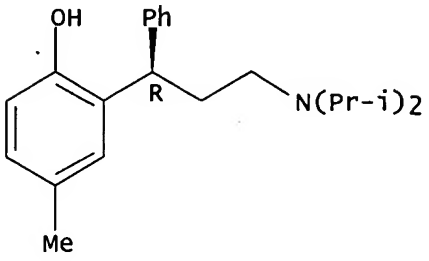
OS CASREACT 144:412229
AB A process for the prepation of high-purity tolterodine comprises reacting Me 3-(2-benzyloxy-5-methylphenyl)-3-phenylpropionate with a reducing agent to form 3-(2-benzyloxy-5-methylphenyl)-3-phenylpropanol.
IT 124937-52-6P, Tolterodine tartrate
RL: SPN (Synthetic preparation); PREP (Preparation)
(in a process for preparing high-purity tolterodine)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5

CMF C22 H31 N O

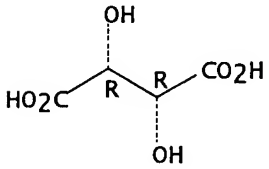
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 11 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:341629 CAPLUS
DN 144:390558
TI Process for the preparation of N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenyl-propaneamine (i.e., racemic tolterodine)
IN Turchetta, Stefano; Ciambecchini, Umberto; Massardo, Pietro
PA Chemi SpA, Italy
SO U.S. Pat. Appl. Publ., 11 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006079716	A1	20060413	US 2005-244396		20051006
				IT 2004-MI1920	A	20041011

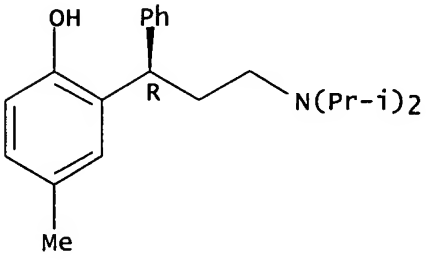
OS CASREACT 144:390558; MARPAT 144:390558
AB A process for the preparation of racemic tolterodine its pharmaceutically acceptable salts comprises: substitution of the sulfonyloxy group of the compound [I; R = C1-6 alkyl, CH2A, SiR23; A = (un)substituted aryl; R2 = (un)branched alkyl, (un)substituted aryl, acyl; and R1 = C1-6 alkyl, (un)substituted aryl] with N,N-diisopropylamine in a solvent comprising an ionic liquid to yield the tertiary amine (II); and optionally, salification with a pharmaceutically acceptable acid.
IT 124937-52-6P
RL: PNU (Preparation, unclassified); PREP (Preparation)
(preparation of)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-,

(2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

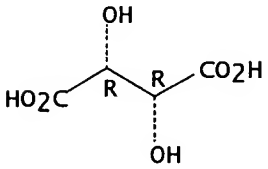
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 12 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:268720 CAPLUS
DN 144:318487
TI Biosynchronous transdermal drug delivery
IN DiPierro, Guy; Giannos, Steven
PA Chrono Therapeutics, Inc., USA
SO PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2006031856	A2	20060323	WO 2005-US32672	20050913
	WO 2006031856	A3	20060817		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,

CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

			US 2004-609418P	P	20040913
			US 2005-162517	A	20050913
US 2006062838	A1	20060323	US 2005-162525		20050913
			US 2004-609418P	P	20040913

AB A delivery mechanism and device for the passive periodic release of a drug or an active ingredient and the methods for synchronizing the administration of compds. with the human body's natural circadian rhythms and addiction rhythms. This strategy is intended to counteract disease states and symptoms when they are likely to be at their worst by using an automated and pre-programmable transdermal or other drug administration system.

IT 124937-52-6, Detrol
RL: BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(biosynchronous transdermal drug delivery)

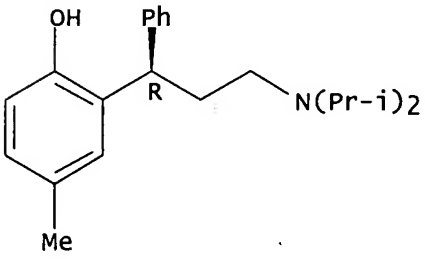
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

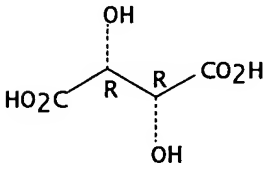
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 13 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:184347 CAPLUS
DN 144:260801

TI Sustained release pharmaceutical composition of tolterodine
IN Kramar, Andrejka; Pisek, Robert; Rajer, Tadeja
PA Krka, D.D., Novo Mesto, Slovenia
SO Eur. Pat. Appl., 13 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1629834	A1	20060301	EP 2004-20431	20040827
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	WO 2006021425	A1	20060302	WO 2005-EP9102	20050823
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
				EP 2004-20431	A 20040827

AB The present invention is directed to a sustained-release pharmaceutical composition comprising tolterodine, preferably tolterodine tartrate, to the use of said composition for the preparation of a medicament and to a method for producing such a sustained release pharmaceutical composition

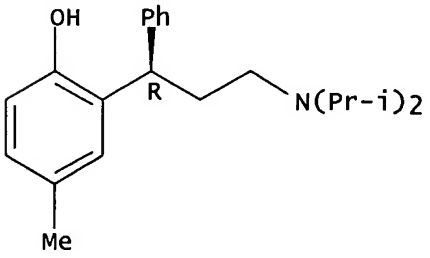
IT 124937-52-6, Tolterodine tartrate
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(sustained-release pharmaceutical composition of tolterodine)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

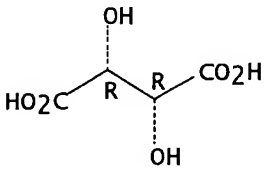
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 14 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:99736 CAPLUS
DN 144:184692
TI Use of compounds active on the sigma receptor for the treatment of mechanical allodynia
IN Baeyens Cabrera, Jose Manuel
PA Laboratorios Del Dr. Esteve, S.A., Spain
SO PCT Int. Appl., 52 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2006010587	A1	20060202	WO 2005-EP8080	20050725
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
			EP 2004-17561 A	20040724
			EP 2004-17562 A	20040724
			US 2004-902272 A	20040730
			US 2004-902273 A	20040730
			EP 2004-20376 A	20040827
US 2006019968	A1	20060126	US 2004-902272	20040730
			EP 2004-17561 A	20040724
US 2006019969	A1	20060126	US 2004-902273	20040730
			EP 2004-17562 A	20040724

PATENT FAMILY INFORMATION:
FAN 2006:78510

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2006019969	A1	20060126	US 2004-902273	20040730
			EP 2004-17562 A	20040724
WO 2006010587	A1	20060202	WO 2005-EP8080	20050725
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,				

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NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

EP 2004-17561 A 20040724
EP 2004-17562 A 20040724
US 2004-902272 A 20040730
US 2004-902273 A 20040730
EP 2004-20376 A 20040827

FAN 2006:79246

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2006019968	A1	20060126	US 2004-902272	20040730
			EP 2004-17561 A	20040724
WO 2006010587	A1	20060202	WO 2005-EP8080	20050725

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA,
NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK,
SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU,
ZA, ZM, ZW
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE,
IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM

EP 2004-17561 A 20040724
EP 2004-17562 A 20040724
US 2004-902272 A 20040730
US 2004-902273 A 20040730
EP 2004-20376 A 20040827

OS MARPAT 144:184692

AB The invention discloses the use of compds. active on the sigma receptor for the treatment of mech. allodynia.

IT 124937-52-6
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(sigma receptor modulators for treatment of mech. allodynia)

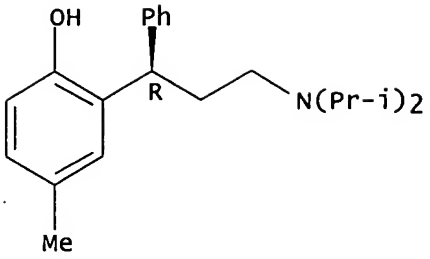
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

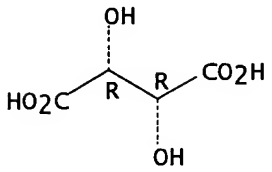
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 15 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:80185 CAPLUS
DN 144:128739
TI Method for preparation of tolterodine tartrate
IN Zhao, Zhiquan
PA Lunan Pharmaceutical Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1626504	A	20050615	CN 2004-10058502	20040816
				CN 2004-10058502	20040816

OS CASREACT 144:128739
AB This invention pertains to a method for preparation of tolterodine tartrate by condensing trans-cinnamic alc. ester and p-methylphenol in the presence of acid such as inorg. acid of sulfuric acid, hydrochloric acid, nitric acid, phosphoric acid, hydrobromic acid, hydriodic acid or organic acid of formic acid, acetic acid, oxalic acid, benzoic acid, paratoluenesulfonic acid at 75-146° for 4-25 h, then coupling with diisopropylamine to form racemic tolterodine, optical resolution with L-(+)tartrate to give L-(+)-tartrate-R-tolterodine and coproduct L-(+)-tartrate-S-tolterodine, removing L-(+)tartrate by reacting with inorg. base, transfering S configuration to R, further saltifying R with L-(+)tartrat to obtain L-(+)tartrate-R-tolterodine. Trans-cinnamic alc. ester can be fluoroform sulfonic acid ester, fluoroform acetate, p-nitrobenzoate, 3,5-dinitrobenzoate or 2,4,6-trinitrobenzoate. Thus, 4-methylphenol, trans-cinnamic alc. 3,5-dinitrobenzoate and concentrated sulfuric acid mixed together and heated to 135-138°, stirred for 8 h, then cooled down

and neutralized with 10% sodium hydroxide , extracted with Et acetate, the organic phase washed with 5% potassium carbonate and dried with anhydrous sodium
sulfate, after vacuum evaporated solvent and isopropanol recrystn. to give the product 3-(2-hydroxy-5-methylphenyl)-3-phenylproplen-3,5-dinitrobenzoate with yield 82.8%.

IT 124937-52-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of optical tolterodine tartrate)

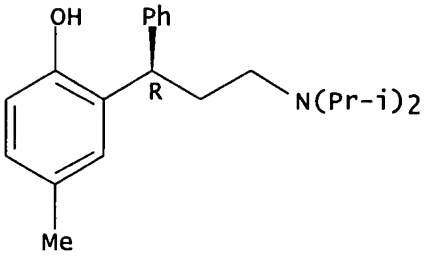
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

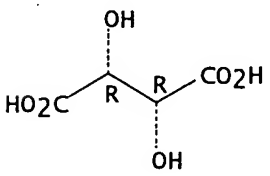
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 16 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:38921 CAPLUS
DN 144:177457
TI Manufacture of tolterodine tartrate dispersible tablet
IN Zhao, Zhiquan
PA Lunan Pharmaceutical Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 11 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI CN 1628646 A 20050622 CN 2004-10057363 20040830
CN 2004-10057363 20040830

AB The title dispersible tablet is composed of: tolterodine tartrate as active component, disintegrating agent, and auxiliary additive. This tablet can be used for treating urinary urgency, sychnuria, and urinary incontinence, and has the advantages of high dissoln. rate, high bioavailability, and less adverse effects.

IT 124937-52-6, Tolterodine tartrate
RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(manufacture of tolterodine tartrate dispersible tablet)

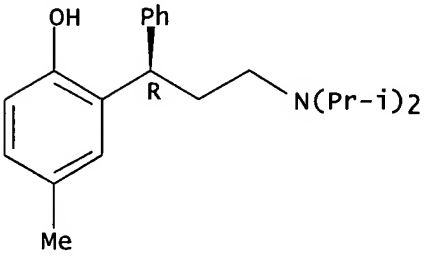
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

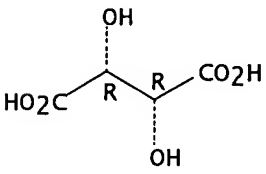
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 17 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:11150 CAPLUS
DN 144:64351
TI Co-administration of dehydroepiandrosterone (dhea) congener with pharmaceutically active agents for treating inflammation
IN Patel, Dinesh; Vollmer, David; Daugherty, Claire; Gebhard, John
PA Inflabloc Pharmaceuticals, Inc., USA
SO U.S. Pat. Appl. Publ., 22 pp.
CODEN: USXXCO
DT Patent
LA English

FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006004076	A1	20060105	US 2005-145024		20050603
				US 2004-584350P	P	20040630
	WO 2006007312	A2	20060119	WO 2005-US20058		20050606
	WO 2006007312	A3	20060427			

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

				US 2004-584350P	P	20040630
				US 2005-145024	A	20050603
	US 2006122160	A1	20060608	US 2005-270326		20051108
				US 2004-584350P	P	20040630
				US 2005-145024	A2	20050603
	US 2006154908	A1	20060713	US 2006-342276		20060126
				US 2004-584350P	P	20040630
				US 2005-145024	A2	20050603
	US 2006217355	A1	20060928	US 2006-370218		20060306
				US 2004-584350P	P	20040630
				US 2005-145024	A2	20050603

PATENT FAMILY INFORMATION:

FAN 2006:544792

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006122160	A1	20060608	US 2005-270326		20051108
				US 2004-584350P	P	20040630
				US 2005-145024	A2	20050603
	US 2006004076	A1	20060105	US 2005-145024		20050603
				US 2004-584350P	P	20040630

FAN 2006:677763

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006154908	A1	20060713	US 2006-342276		20060126
				US 2004-584350P	P	20040630
				US 2005-145024	A2	20050603
	US 2006004076	A1	20060105	US 2005-145024		20050603
				US 2004-584350P	P	20040630

FAN 2006:1012512

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2006217355	A1	20060928	US 2006-370218		20060306
				US 2004-584350P	P	20040630
				US 2005-145024	A2	20050603
	US 2006004076	A1	20060105	US 2005-145024		20050603
				US 2004-584350P	P	20040630

AB The present invention is related to therapeutic uses of dehydroepiandrosterone (DHEA) congeners. More specifically, the present invention relates to the co-administration of a dehydroepiandrosterone (DHEA) congener in combination with at least one other pharmaceutically active agent to reduce inflammation.

IT 124937-52-6, Tolterodine tartrate

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Co-administration of dehydroepiandrosterone (dhea) congener with pharmaceutically active agents for treating inflammation)

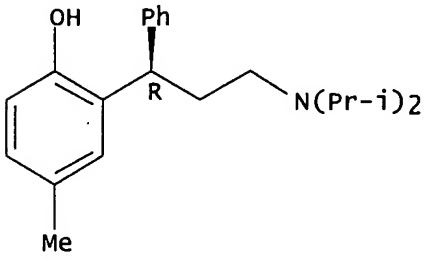
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

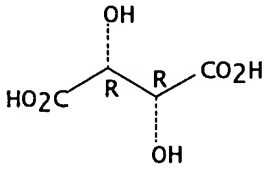
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 18 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:4736 CAPLUS
DN 144:247032
TI Characterization of muscarinic receptor binding and inhibition of salivation after oral administration of tolterodine in mice
AU Oki, Tomomi; Maruyama, Shuji; Takagi, Yukiko; Yamamura, Henry I.; Yamada, Shizuo
CS Department of Pharmacokinetics and Pharmacodynamics and COE Program in the 21st Century, School of Pharmaceutical Science, University of Shizuoka, Suruga-ku, Shizuoka, 422-8526, Japan
SO European Journal of Pharmacology (2006), 529(1-3), 157-163
CODEN: EJPHAZ; ISSN: 0014-2999
PB Elsevier B.V.
DT Journal
LA English
AB The current study was undertaken to characterize the effects of oral administration of tolterodine on muscarinic receptor binding in the bladder and submaxillary gland and on salivation in mice. In the in vitro

experiment, tolterodine and its metabolite (5-hydroxymethyl metabolite: 5-HM) competed concentration-dependently with [N-methyl-3H]-scopolamine ([3H]NMS) in the mouse bladder, submaxillary gland and heart, and the potencies of both agents were greater than that of oxybutynin. After oral administration of tolterodine (6.31, 21.0 μmol/kg) and oxybutynin (76.1 μmol/kg), there was a dose and time-dependent increase in Kd values for specific [3H]NMS binding in the bladder, prostate, submaxillary gland, heart, colon and lung, compared with control values, suggesting significant muscarinic receptor binding in each tissue. The Kd increase in each tissue by oral oxybutynin reached a maximum value of 0.5 h after oral administration and then rapidly declined, while that by tolterodine was greatest 2 h after the administration and it was maintained for at least 6 or 12 h, depending on the dose and on the tissue. Thus, muscarinic receptor binding of oral tolterodine was slower in onset and of a longer duration than that of oxybutynin. Also, oral oxybutynin showed relatively greater receptor binding in the submaxillary gland as compared with other tissues, but such high selectivity to the exocrine gland muscarinic receptors was not observed by oral tolterodine. Oral administration of tolterodine and oxybutynin reduced significantly the pilocarpine-induced salivary secretion in mice, and the attenuation of oral tolterodine appeared more slowly and it was more persistent than that of oral oxybutynin. The antagonistic effect of oral tolterodine on the dose-response curves to pilocarpine was significantly weaker than that of oxybutynin. These data suggest that oral tolterodine, compared with the case of oral oxybutynin, binds more selectively to muscarinic receptors in the mouse bladder than in the submaxillary gland, which may be advantageous in treating patients with overactive bladder.

IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study)
(characterization of muscarinic receptor binding and inhibition of salivation after oral administration of tolterodine in mice)

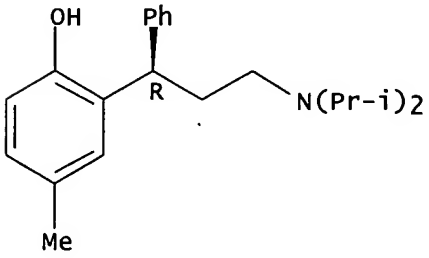
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

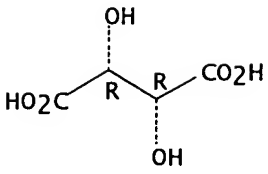
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 19 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1220192 CAPLUS
DN 143:466219
TI Permeation enhancing compositions for anticholinergic agents containing urea compounds
IN Grenier, Arnaud; Carrara, Dario Norberto R.; Besse, Celine
PA Antares Pharma Ipl A.-G., Switz.
SO PCT Int. Appl., 70 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

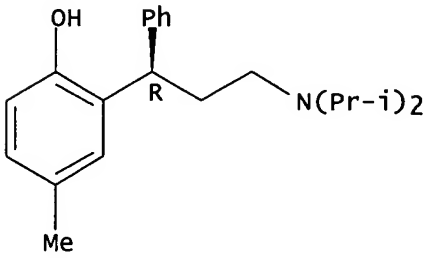
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005107812	A1	20051117	WO 2005-EP4799	20050503
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2004-568983P	P 20040507
US 2005287194	A1	20051229	US 2005-120306	20050502
			US 2004-568983P	P 20040507

OS MARPAT 143:466219
AB A transdermal or topical composition including anticholinergic agents, such as oxybutynin, a urea-containing compound and a carrier system. A method is disclosed for treating a subject for urinary incontinence while reducing the incidences of peak concns. of drug and undesirable side effects. For example, gel containing oxybutynin 3, ethanol 50.72, diethylene glycol monoethyl ether 2.5, propylene glycol 15, urea 5, Klucel MF 2, butylhydroxytoluene 0.05%, was found to have a better pharmacokinetic and permeation character than the gel without urea.
IT 124937-52-6
RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(transdermal and topical compns. containing anticholinergics and antispasmodic agents and urea compound for improved permeation)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

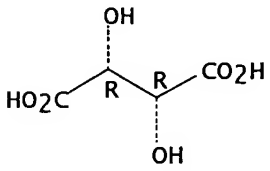
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 20 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1193308 CAPLUS
DN 143:466159
TI Controlled release mucoadhesive matrix formulation containing tolterodine and a process for its preparation
IN Durga Maheswari, Parvataneni; Appalaswamy Naidu, Rongala; Podile, Khadgapathi; Venkaiah Chowdary, Nannapaneni
PA Natco Pharma Limited, India
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005105036	A1	20051110	WO 2005-IN99	20050404

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

IN 2004-CH393 A 20040428

AB Controlled release oral pharmaceutical mucoadhesive matrix formulation containing a therapeutically effective amount of tolterodine or its pharmaceutically acceptable salts, prodrugs and metabolites thereof dispersed in a rate controlling polymeric matrix comprising (1) a pH independent gelling polymer, such as polyethylene oxide, (2) pH dependent gelling polymer, such as sodium CM-cellulose (3) a film coating polymer component, such as Eudragit RS100 and other conventional tablet functional excipients. The formulation such as tablets or minitablets in capsules of the present invention relates to a 24 h controlled release dosage form useful for the treatment of urge incontinence and other symptoms of unstable or overactive urinary bladder. The invention also relates to a process for the preparation of controlled release mucoadhesive matrix formulation containing tolterodine in a tablet or mini tablets in capsule dosage form. For example, controlled-release mucoadhesive matrix tablets were prepared by wet granulation of tolterodine tartrate 2.0, polyethylene oxide-18 NF 7.0, sodium CM-cellulose 3.0, lactose anhydrous 20.0, microcryst. cellulose 51.8, polyvinylpyrrolidone K-30 5.0, Eudragit RS 100 10.0, iso-Pr alc. 72, and acetone 48, granules obtained were dried, lubricated with colloidal silica 0.1, talc 0.1, and magnesium stearate 1.0 mg, resp., and compressed into core tablets. Eudragit L 100-55 3.0 was added to a mixture of iso-Pr alc. 25.6 and acetone 37.8, followed by tri-Et citrate 0.5 mg, resp., and the solution obtained was used as a barrier coating for core tablets.

IT 124937-52-6, Tolterodine tartrate
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of controlled-release polymeric mucoadhesive matrix containing tolterodine for tablets or minitablets)

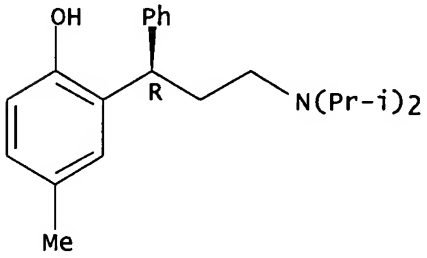
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

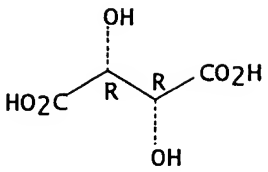
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



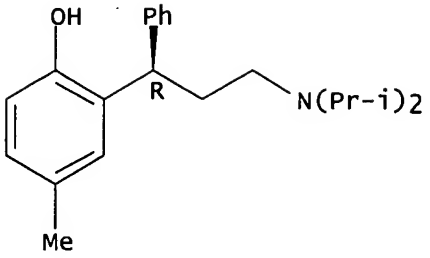
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 21 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1179331 CAPLUS
DN 143:393317
TI New spectrophotometric methods for the estimation of tolterodine tartrate in pharmaceutical formulations
AU Sankar, D. Gowri; Kumar, D. V. S. P.; Krishna, M. Vamsi; Latha, P. V. M.
CS Department of Pharmaceutical Science, Andhra University, Visakhapatnam, 530 003, India
SO Asian Journal of Chemistry (2005), 17(2), 1357-1359
CODEN: AJCHEW; ISSN: 0970-7077
PB Asian Journal of Chemistry
DT Journal
LA English
AB Two simple and sensitive visible spectrophotometric methods (methods A and B) were developed for the estimation of tolterodine tartrate in pure as well as in pharmaceutical formulations. Method A is based on the oxidative coupling reaction with 3-methyl-2-benzothiazolinone hydrazone (MBTH) in the presence of ceric ammonium sulfate (CAS) to form a colored species with λmax at 555 nm. Method B is based on the oxidation of the drug with ferric chloride followed by complexation with 1,10-phenanthroline (1,10-PTL) to form a blood red colored chromogen with λmax at 520 nm. Beer's law is obeyed in the range of 10-50 and 2.5- 12.5 μg/mL for methods A and B resp. The results obtained are reproducible and statistically validated and also found to be suitable for the assay of tolterodine tartrate in bulk as well as in pharmaceutical formulations.
IT 124937-52-6, Tolterodine tartrate
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(spectrophotometric estimation of tolterodine tartrate in pharmaceutical formulations)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

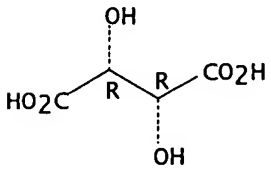
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 22 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1171039 CAPLUS
DN 143:411108
TI Pharmaceutical compositions containing phosphodiesterase IV-inhibiting benzofuran derivative and anticholinergics
IN Abe, Yuzuru; Yoshimatsu, Akiko; Miki, Ichiro
PA Kyowa Hakko Kogyo Co., Ltd., Japan
SO PCT Int. Appl., 39 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005102344	A1	20051103	WO 2005-JP7966	20050427

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

JP 2004-131880 A 20040427

AB Disclosed is a pharmaceutical composition containing (a) 4-[(3,5-dichloro-4-pyridyl)carbamoyl]-7-methoxy-2-(4-methylpiperazine-1-ylcarbonyl)benzofuran(I) or a pharmacol. acceptable salt thereof and (b)

an anticholinergic agent. Also disclosed is such a pharmaceutical composition wherein the anticholinergic agent is a compound selected from the group consisting of tiotropium, ipratropium, oxitropium, tolterodine and oxybutynin, or a pharmacol. acceptable salt thereof. The compns. are effective for the treatment of chronic obstructive pulmonary disease and asthma. For example, a tablet was formulated containing I 20, tolterodine tartrate 2, lactose 143, starch 28, hydroxypropyl cellulose 6, and Mg stearate 1 mg/tablet.

IT 124937-52-6, Tolterodine tartrate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing phosphodiesterase IV-inhibiting benzofuran derivative and anticholinergics)

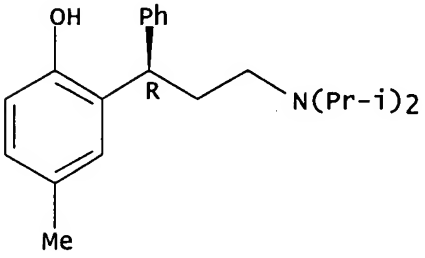
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

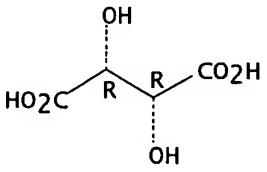
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

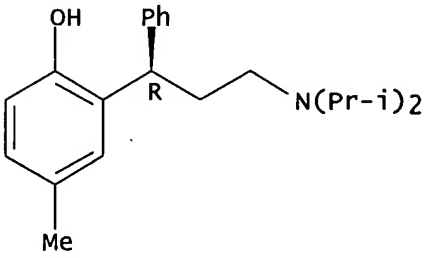
L11 ANSWER 23 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1051779 CAPLUS
DN 143:312243
TI UV spectrophotometric determination of tolterodine tartrate and cefepime
AU Sankar, D. Gowri; Krishna, M. Vamsi; Kumar, D. V. S. P.; Latha, P. V. M.
CS Department of Pharmaceutical Sciences, Andhra University, Visakhapatnam, 530 003, India

SO Asian Journal of Chemistry (2005), 17(3), 2028-2030
CODEN: AJCHEW; ISSN: 0970-7077
PB Asian Journal of Chemistry
DT Journal
LA English
AB UV spectrophotometric methods were developed for the determination of tolterodine tartrate and cefepime in pure and pharmaceutical formulations. These methods obey Beer's law limits in the concentration range of 10-90 and 5-40 μg/mL, exhibiting maximum absorption at 280 and 240 nm resp. These methods are extended to pharmaceutical prepns. and there is no interference from any common pharmaceutical additives and diluents. The methods were statistically evaluated and are found to be precise and accurate.
IT 124937-52-6, Tolterodine tartrate
RL: ANT (Analyte); THU (Therapeutic use); ANST (Analytical study); BIOL (Biological study); USES (Uses)
(UV spectrophotometric determination of tolterodine tartrate and cefepime)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

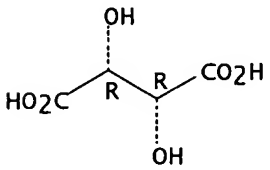
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

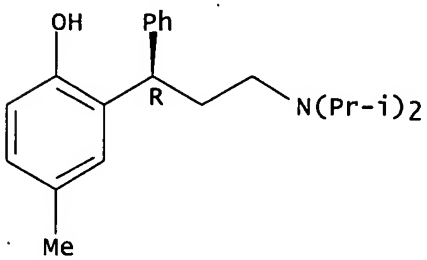
L11 ANSWER 24 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:978476 CAPLUS

DN 143:259408
TI High performance liquid chromatography-electrospray ionization mass spectrometric determination of tolterodine tartrate in human plasma
AU Zhang, Beibei; Zhang, Zunjian; Tian, Yuan; Xu, Fengguo
CS Center for Instrumental Analysis, China Pharmaceutical University, Jiangsu, 210009, Peop. Rep. China
SO Journal of Chromatography, B: Analytical Technologies in the Biomedical and Life Sciences (2005), 824(1-2), 92-98
CODEN: JCBAAI; ISSN: 1570-0232
PB Elsevier B.V.
DT Journal
LA English
AB A selective and sensitive high performance liquid chromatog.-electrospray ionization mass spectrometry (HPLC-ESIMS) method has been developed for the determination of tolterodine tartrate in human plasma. With oxybutynin as internal standard, tolterodine tartrate was extracted from plasma with n-hexane:
isopropanol (95:5, volume/volume). The organic layer was evaporated and the residue
was redissolved in mobile phase comprised of acetonitrile-water (10 mM CH3COONH4, pH 3.0) = 50:50 (volume/volume). An aliquot of 10 μl was chromatog. analyzed on a prepacked Shimadzu Shim-pack VP-ODS C18 column (150 mm + 2.0 mm I.D.) by means of selected-ion monitoring (SIM) mode mass spectrometry. Standard curves were linear (r = 0.9993) over the concentration range of 0.1-30.0 ng/mL and had good accuracy and precision. The within- and between-batch precisions were within 10% relative standard deviation. The limit of detection (LOD) was 0.05 ng/mL. The validated HPLC-ESIMS method has been used successfully to study tolterodine tartrate pharmacokinetic, bioavailability and bioequivalence in 20 healthy male volunteers.
IT 124937-52-6, Tolterodine tartrate
RL: ANT (Analyte); BSU (Biological study, unclassified); PKT (Pharmacokinetics); ANST (Analytical study); BIOL (Biological study)
(tolterodine tartrate HPLC-ESIMS determination in human plasma)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

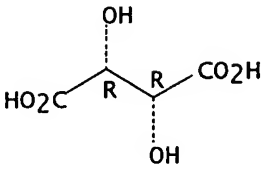
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



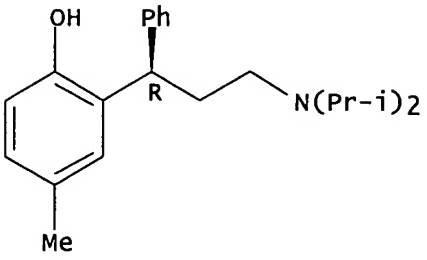
RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 25 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:970635 CAPLUS
DN 143:415557
TI Effect of the proton pump inhibitor omeprazole on the pharmacokinetics of extended-release formulations of oxybutynin and tolterodine
AU Dmochowski, Roger; Chen, Andrew; Sathyan, Gayatri; MacDiarmid, Scott; Gidwani, Shalini; Gupta, Suneel
CS Department of Urology, Vanderbilt University School of Medicine, Nashville, TN, USA
SO Journal of Clinical Pharmacology (2005), 45(8), 961-968
CODEN: JCPCBR; ISSN: 0091-2700
PB Sage Publications
DT Journal
LA English
AB This study assessed the effect of the proton pump inhibitor omeprazole on the bioavailability of the extended-release formulations of oxybutynin and tolterodine. Forty-four healthy volunteers received each of 4 treatments in a 4-period crossover design. The treatments consisted of osmotically controlled extended-release oxybutynin chloride tablets at 10 mg/d or extended-release tolterodine tartrate capsules at 4 mg/d, with and without preceding treatment with 20 mg omeprazole daily for 4 days. Blood samples collected predose and at scheduled time points for 36 h postdose were analyzed for oxybutynin and its active metabolite, N-desethyloxybutynin, or tolterodine and its active 5-hydroxymethyl metabolite, as appropriate. The AUC∞ ratios for oxybutynin and its metabolite with and without prior omeprazole fell within the 80% to 125% range (accepted as the criterion for bioequivalence), as did those for tolterodine and its active moiety. The peak concentration ratios for oxybutynin and metabolite also conformed to this range; those for tolterodine did not. Increasing gastric pH with omeprazole does not substantially alter the pharmacokinetic properties of extended-release oxybutynin but may alter those of extended-release tolterodine.
IT 124937-52-6, Tolterodine tartrate
RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmacokinetic properties were altered for extended release tolterodine proton pump inhibitor omeprazole with greater Cmax in human)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

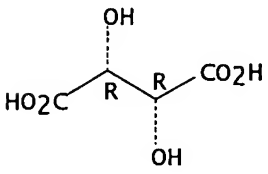
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 26 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:638702 CAPLUS
DN 143:139193
TI Novel pharmaceutical compositions
IN Gupta, Vinod Kumar; Vaya, Navin
PA Torrent Pharmaceuticals Limited, India
SO PCT Int. Appl., 37 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005065639	A2	20050721	WO 2004-IN321	20041018
	WO 2005065639	A3	20050901		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

IN 2003-MU1201 A 20031121

AB A dosage form comprising of an active ingredient as modified release and an active ingredient as immediate release. Wherein the modified release

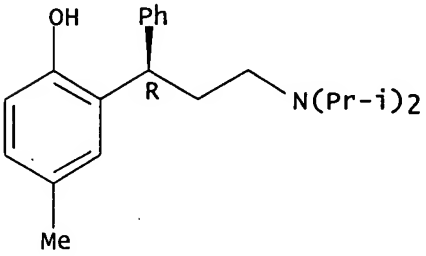
active ingredient is selected from high dose, low solubility active ingredients or low dose, low solubility active ingredients or low dose, high solubility active ingredients and the immediate release active ingredient is selected from low dose active ingredients. Thus, tablets were obtained from nebivolol-HCl 6.1, lactose monohydrate 78.5, red ferric oxide 0.6, and PVP K30 3.3%.

IT 124937-52-6, Tolterodinetartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses) (pharmaceutical compns.)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

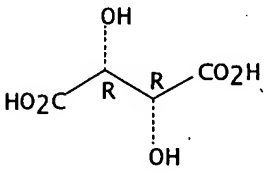
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 27 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:588860 CAPLUS
DN 143:115342
TI A preparation of tolterodine and its salts with improved purity, useful as anticholinergic agent
IN Kankan, Rajendra Narayanrao; Rao, Dharmaraj Ramachandra
PA Cipla Limited, India; Wain, Christopher Paul
SO PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005061432	A1	20050707	WO 2004-GB5420	20041223
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				GB 2003-30056	A 20031224
				GB 2004-23300	A 20041020
	CA 2551501	AA	20050707	CA 2004-2551501	20041223
				GB 2003-30056	A 20031224
				GB 2004-23300	A 20041020
				WO 2004-GB5420	W 20041223
	EP 1701932	A1	20060920	EP 2004-820622	20041223
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
				GB 2003-30056	A 20031224
				GB 2004-23300	A 20041020
				WO 2004-GB5420	W 20041223

OS CASREACT 143:115342

AB The invention relates to a preparation of (+)-tolterodine (I) and its salts with improved purity, useful as anticholinergic agent (no data). Tartrate of I was prepared via amination of the prepared sulfonic acid ester II by diisopropylamine, hydrolysis, purification, and salt formation. Dimeric impurity associated with tolterodine tartrate was measured (< 0.1%).

IT 124937-52-6P, Tolterodine tartrate
RL: IMF (Industrial manufacture); PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(preparation of tolterodine and its salts with improved purity useful as anticholinergic agent)

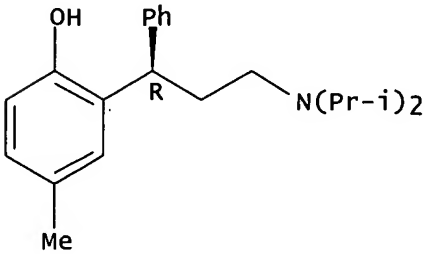
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

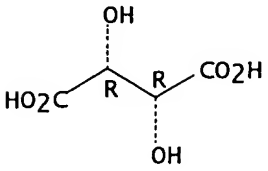
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 28 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:588858 CAPLUS
DN 143:115346
TI Improved process for the industrial preparation of tolterodine via reductive amination of an aldehyde intermediate
IN Pascual Coca, Gustavo; Martin Pascual, Pablo; Martin Juarez, Jorge
PA Ragactives, S.L., Spain
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA Spanish
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005061431	A1	20050707	WO 2004-ES572	20041221
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			ES 2003-3032	A 20031222
ES 2235648	A1	20050701	ES 2003-3032	20031222
CA 2550477	AA	20050707	CA 2004-2550477	20041221
			ES 2003-3032	A 20031222
			WO 2004-ES572	W 20041221
EP 1698615	A1	20060906	EP 2004-805115	20041221
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS				
			ES 2003-3032	A 20031222
			WO 2004-ES572	W 20041221

OS CASREACT 143:115346; MARPAT 143:115346
AB The invention relates to a method of obtaining tolterodine (I). The inventive method consists in: (1) reacting an aldehyde II (R = protective group for hydroxyl) with HN(Pr-iso)2 in the presence of a reducing agent; (2) optionally converting the resulting amine intermediate III into a salt, and, if desired, isolating it; (3) removing the hydroxyl protective group to give I; and (4) if desired, separating the desired (R) or (S) enantiomer (or their mixture), and/or converting the compound thus obtained

into a pharmaceutically acceptable salt. I is a known muscarinic receptor antagonist (no data) which can be used in the treatment of urinary incontinence and other symptoms of urinary bladder hyperactivity. The new process is designed to be more economical, to use less dangerous reagents, to give better quality product, and to be more productive than known methods, thereby making it more suitable for use on an industrial scale. For instance, Friedel-Crafts acylation of 4-MeC6H4OMe by PhCOCl using SnCl4 gave 78% 2-methoxy-5-methylbenzophenone. Reduction of this ketone using 2 equiv NaBH4 and BF3.THF gave 93% of the corresponding diphenylmethane derivative, which was lithiated with BuLi and ethoxylated with ethylene oxide to give 3-(2-methoxy-5-methylphenyl)-3-phenylpropan-1-ol. Oxidation of this alc. by 4 different oxidizing agents gave II (R = Me); in particular, Swern oxidation with DMSO and oxalyl chloride gave 94% yield. Reductive amination of II (R = Me) with NaBH(OAc)3 and HN(Pr-iso)2 gave 91% III (R = Me), which was treated with HBr in refluxing AcOH to give 64% I.HBr. Addition of the phase-transfer catalyst Bu4N+Br- to the latter demethylation reaction increased the yield to 80%. Alternatively, III (R = Me) was isolated as the HBr salt before demethylation, and was thereby obtained as a crystalline product which was free of impurities. Finally, I.HBr was converted to the (R)-(+)-isomer L-tartrate salt, which was obtained with a purity of 99.80%.

IT 124937-52-6P, (R)-Tolterodine (L)-tartrate
RL: IMF (Industrial manufacture); PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(improved preparation of tolterodine via reductive amination of an aldehyde intermediate)

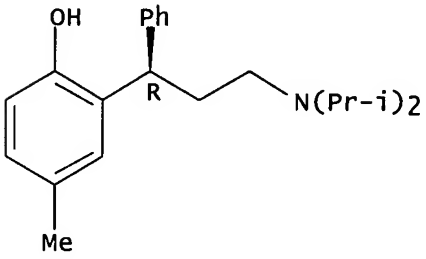
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

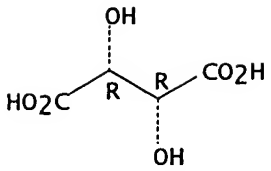
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



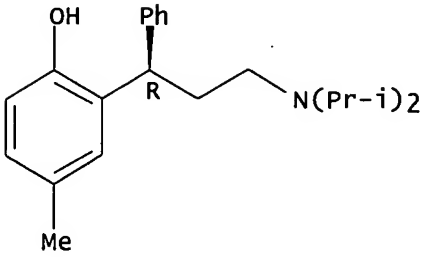
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 29 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:555075 CAPLUS
DN 143:359890
TI Extended-release formulations of oxybutynin and tolterodine exhibit similar central nervous system tolerability profiles: A subanalysis of data from the OPERA trial
AU Chu, Franklin M.; Dmochowski, Roger R.; Lama, Daniel J.; Anderson, Rodney U.; Sand, Peter K.
CS San Bernardino Urological Associates, San Bernardino, CA, USA
SO American Journal of Obstetrics and Gynecology (2005), 192(6), 1849-1854
CODEN: AJOGAH; ISSN: 0002-9378
PB Elsevier
DT Journal
LA English
AB Objective: This study was undertaken to compare the central nervous system (CNS) tolerability profiles of the extended-release formulations of oxybutynin chloride and tolterodine tartrate in the treatment of women with overactive bladder (OAB), as observed in the OPERA (Overactive bladder: Performance of Extended Release Agents) trial. Study design: The OPERA trial was a randomized, double-blind, active-control comparison of the efficacy and safety of extended-release oxybutynin (10 mg/d) and extended-release tolterodine (4 mg/d) given to 790 women with OAB for 12 wk. The incidence of reported CNS events was compared between the treatment groups by using the Fisher exact test. Results: The incidence of CNS adverse events was 9% and 8% for the oxybutynin and tolterodine treatment groups, resp. The difference between groups was not statistically significant. All reported CNS adverse events were rated as mild or moderate in severity. There were no serious treatment-related adverse events in either group, and discontinuation because of a CNS adverse event was infrequent. Conclusion: The extended-release formulations of oxybutynin and tolterodine were observed to be associated with a similar low incidence of CNS adverse events, which were mostly mild or moderate in severity.
IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(extended release formulation of tolterodine tartrate with CNS adverse event like somnolence, hypertonia and tremor and vertigo had tolerability similar to that of oxybutynin chloride in female patient with overactive bladder)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

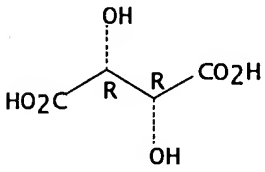
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

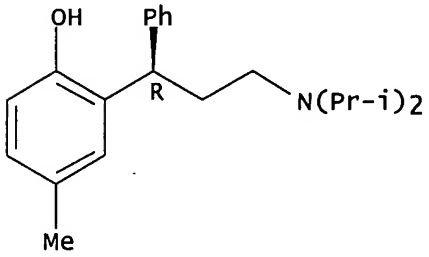
L11 ANSWER 30 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:500489 CAPLUS
DN 143:373118
TI Tolterodine tartrate sustained-release tablets
AU Liu, Zhenghe; Zhang, Junshou; Cao, Deshan
CS Nanjing Meirui-pharma Co., LTD., Nanjing, Jiangsu Province, 210038, Peop. Rep. China
SO Zhongguo Shenghua Yaowu Zazhi (2004), 25(4), 230-232
CODEN: ZSYZFP; ISSN: 1005-1678
PB Zhongguo Shenghua Yaowu Zazhi Bianjibu
DT Journal
LA Chinese
AB Tolterodine tartrate sustained-release tablets were prepared, and the content of tolterodine tartrate was determined by high performance liquid chromatog. (HPLC). Orthogonal design was employed to establish the relationship between the match-ratio of hydroxypropyl methylcellulose (HPMC) to polyvinylpyrrolidone (PVP) and the release rate in vitro. The optimal formulation of tolterodine tartrate sustained-release tablets was as follows: tolterodine tartrate 4 g, HPMC 20 g, mannitol 20 g, dextrin 75 g, 20% PVP and magnesium stearate 2 g. The accumulated release amount of tolterodine tartrate sustained-release tablets was more than 75% within 8 h. HPMC and PVP manufactured by domestic companies can be used properly as barriers to prepare matrix sustained-release tablets of tolterodine tartrate. The formulation and technique are feasible in industry.
IT 124937-52-6, Tolterodine tartrate
RL: BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tolterodine tartrate sustained-release tablets)
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

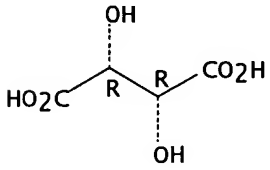
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 31 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:493508 CAPLUS
DN 143:20045
TI Use of (+)-isopropyl 2-methoxyethyl 4-(2-chloro-3-cyanophenyl)-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate for the treatment of memory disorders
IN Unterbeck, Axel; De Vivo, Michael; Rose, Gregory M.
PA Memory Pharmaceuticals Corporation, USA
SO PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005051389	A1	20050609	WO 2004-US38624	20041119

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,

AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003-523664P P 20031121
US 2004-608116P P 20040909

AU 2004292967 A2 20050609 AU 2004-292967 20041119
AU 2004292967 A1 20050609

US 2003-523664P P 20031121
US 2004-608116P P 20040909
WO 2004-US38624 W 20041119

CA 2546366 AA 20050609 CA 2004-2546366 20041119

US 2003-523664P P 20031121
US 2004-608116P P 20040909
WO 2004-US38624 W 20041119

US 2005153953 A1 20050714 US 2004-992464 20041119

US 2003-523664P P 20031121
US 2004-608116P P 20040909

EP 1684755 A1 20060802 EP 2004-811352 20041119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

US 2003-523664P P 20031121
US 2004-608116P P 20040909
WO 2004-US38624 W 20041119

PATENT FAMILY INFORMATION:

FAN 2005:493523

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005051426	A1	20050609	WO 2004-US38623	20041119

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003-523664P P 20031121
US 2004-608116P P 20040909

AU 2004292966 A1 20050609 AU 2004-292966 20041119

US 2003-523664P P 20031121
US 2004-608116P P 20040909
WO 2004-US38623 W 20041119

CA 2546395 AA 20050609 CA 2004-2546395 20041119

US 2003-523664P P 20031121
US 2004-608116P P 20040909
WO 2004-US38623 W 20041119

US 2005153953 A1 20050714 US 2004-992464 20041119

US 2003-523664P P 20031121
US 2004-608116P P 20040909

EP 1684806 A1 20060802 EP 2004-811351 20041119
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK, IS

US 2003-523664P P 20031121
US 2004-608116P P 20040909
WO 2004-US38623 W 20041119

AB The invention discloses methods for treatment of memory disorders using (+)-iso-Pr 2-methoxyethyl 4-(2-chloro-3-cyanophenyl)-1,4-dihydro-2,6-

dimethylpyridine-3,5-dicarboxylate, as a sole active agent or in combination with other pharmacol. agents.

IT 124937-52-6, Detrol
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
((+)-iso-Pr 2-methoxyethyl 4-(2-chloro-3-cyanophenyl)-1,4-dihydro-2,6-dimethylpyridine-3,5-dicarboxylate for treatment of memory disorders)

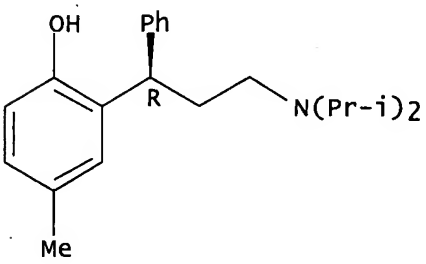
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

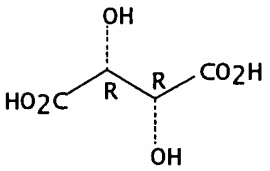
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

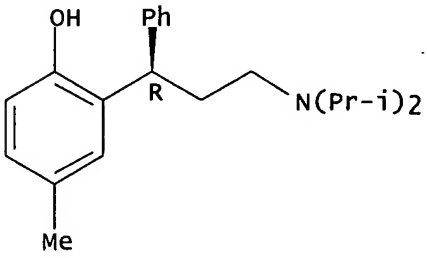
L11 ANSWER 32 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:380709 CAPLUS
DN 143:77978
TI Rhodium-Catalyzed Asymmetric 1,4-Addition of Arylboronic Acids to Coumarins: Asymmetric Synthesis of (R)-Tolterodine
AU Chen, Gang; Tokunaga, Norihito; Hayashi, Tamio
CS Department of Chemistry, Graduate School of Science, Kyoto University, Kyoto, 606-8502, Japan
SO Organic Letters (2005), 7(11), 2285-2288
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English

OS CASREACT 143:77978
AB Rhodium-catalyzed asym. 1,4-addition of arylboronic acids R1B(OH)2 (R1 = Ph, 4-MeC6H4, 3-MeC6H4, 4-ClC6H44, 4-MeOC6H4) to coumarins I (R = 6-Me, H, 6-MeO2C, 8-MeO) proceeded with high enantioselectivity in the presence of a rhodium catalyst (3 mol %) generated from Rh(acac)(C2H4)2 and (R)-Segphos to give the corresponding (R)-4-arylchroman-2-ones II in over 99% ee. This asym. reaction was applied to the synthesis of (R)-tolterodine.
IT 124937-52-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(rhodium-catalyzed asym. 1,4-addition of arylboronic acids to coumarins and application to asym. synthesis of (R)-tolterodine)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

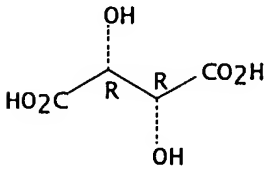
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 64 THERE ARE 64 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

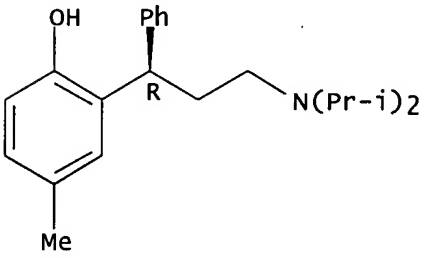
L11 ANSWER 33 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:358491 CAPLUS
DN 143:61722
TI An Improved, Scalable, and Impurity-Free Process for Tolterodine Tartrate
AU Srinivas, Keesari; Srinivasan, Neti; Reddy, Kikkuru Srirami; Ramakrishna, Muddasani; Reddy, Chinta Raveendra; Arunagiri, Muthulingam; Kumari, Routhu Lalitha; Venkataraman, Sundaram; Mathad, Vijayavitthal T.
CS Department of Research and Development, Integrated Product Development,

Dr. Reddy's Laboratories Ltd., Bollaram, Jinnaram, Medak District, 502-325, India
SO Organic Process Research & Development (2005), 9(3), 314-318
CODEN: OPRDFK; ISSN: 1083-6160
PB American Chemical Society
DT Journal
LA English
OS CASREACT 143:61722
AB Tolterodine tartrate is an anticholinergic muscle relaxant used to treat urinary frequency, urinary urgency, and incontinence. An improved, cost-effective, and impurity-free process for tolterodine tartrate suitable for large-scale com. production is described with focus on various scale-up and impurity issues.
IT 124937-52-6P, Tolterodine tartrate
RL: IMF (Industrial manufacture); PUR (Purification or recovery); PREP (Preparation)
(improved and scalable and impurity-free process for preparation of tolterodine tartrate)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

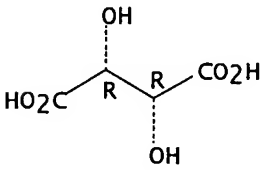
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

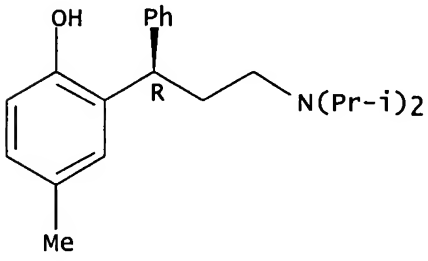
L11 ANSWER 34 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:185350 CAPLUS

DN 143:106714
TI Tolterodinium (+)-(2R,3R)-hydrogen tartrate
AU Kosutic-Hulita, Nada; Zegarac, Miroslav
CS Prilaz baruna Filipovica 29, PLIVA Research and Development Ltd, Zagreb, HR-10000, Croatia
SO Acta Crystallographica, Section C: Crystal Structure Communications (2005), C61(3), o171-o173
CODEN: ACSCEE; ISSN: 0108-2701
PB Blackwell Publishing Ltd.
DT Journal
LA English
AB In the crystal structure of (R)-N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylaminium (2R,3R)-H tartrate, C22H32NO+·C4H5O6-, the H tartrate anions are linked by O-H···O H bonds to form helical chains built from R22(9) rings. These chains are linked by the tolterodine mols. via N-H···O and O-H···O H bonds to form sep. sheets parallel to the (101) plane. Crystallog. data are given.
IT 124937-52-6, Tolterodinium (+)-(2R,3R)-hydrogen tartrate (1:1)
RL: PRP (Properties)
(crystal structure of)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

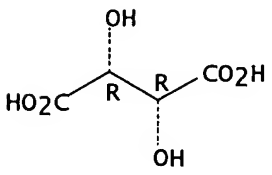
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 17 THERE ARE 17 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 35 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:71091 CAPLUS
DN 142:162623
TI Medicinal compositions containing tricyclic heterocyclic compound and anticholinergic agent
IN Yamagata, Tsuyoshi; Shirakura, Shiro
PA Kyowa Hakko Kogyo Co., Ltd., Japan
SO PCT Int. Appl., 31 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

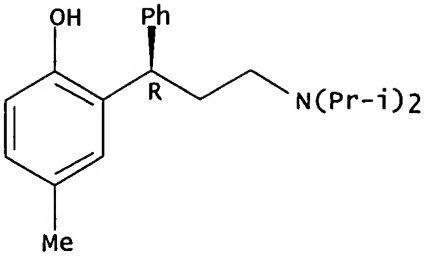
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2005007191	A1	20050127	WO 2004-JP10521	20040716
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			JP 2003-197662	A 20030716
CA 2532805	AA	20050127	CA 2004-2532805	20040716
			JP 2003-197662	A 20030716
			WO 2004-JP10521	W 20040716
EP 1652532	A1	20060503	EP 2004-747885	20040716
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
			JP 2003-197662	A 20030716
			WO 2004-JP10521	W 20040716
US 2006160887	A1	20060720	US 2005-562635	20051229
			JP 2003-197662	A 20030716
			WO 2004-JP10521	W 20040716

AB It is intended to provide a medicinal composition useful in treating, for example, hyperactive bladder which comprises 3,3,3-trifluoro-2-hydroxy-2-methyl-N-(5,5,10-trioxo-4,10-dihydrothieno[3,2-c][1]benzothiepin-9-yl)propanamide or a pharmacol. acceptable salt thereof and an anticholine drug. The effect of combination of (S)-(+)-3,3,3-trifluoro-2-hydroxy-2-methyl-N-(5,5,10-trioxo-4,10-dihydrothieno[3,2-c][1]benzothiepin-9-yl)propanamide 0.01 and tolterodine 3 mg/kg on bladder contraction in spinal cord injury rats was examined
IT 124937-52-6
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(medicinal compns. containing tricyclic heterocyclic compound and anticholinergic agent)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

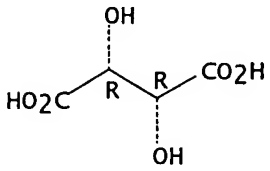
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 36 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:57118 CAPLUS
DN 142:141276
TI Oxygen-containing heterocycles as PDE IV inhibitors, pharmaceutical compositions containing them and anticholinergic agents, uses of the compositions for treatment of COPD or asthma, and pharmaceutical kits containing both components
IN Abe, Yuzuru; Miki, Ichiro
PA Kyowa Hakko Kogyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 17 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2005015394	A2	20050120	JP 2003-182385	20030626
			JP 2003-182385	20030626

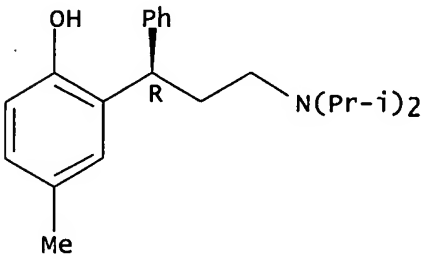
OS MARPAT 142:141276
AB The compns. contain (a) O-containing benzoheterocycles I [m = 0-4; R1-R4 = H, lower alkyl, cycloalkyl, lower alkenyl, cycloalkenyl, aryl, aralkyl; 2 of R1-R4 on the same C are bonded together to form a spiro ring; adjacent 2 of R1-R4 may be bonded together to form a condensed ring or form a double bond; R5 = lower (halo)alkoxy; R6 = H, halo; Y = Q; R7 = cyano, ethynyl, carbamoyl; R8 = H, 4-carboxyphenyl; R7 andR8 may be bonded together to form a double bond] or their pharmacol. acceptable salts and (b) anticholinergic agents. COPD or asthma is treated by administering (a) and (b) simultaneously or sep. with some time interval. Thus, tablets were formulated containing cis-4-cyano-4-(8-methoxy-1,4-benzodioxan-5-yl)cyclohexanecarboxylic acid and oxybutynin hydrochloride.

IT 124937-52-6, Tolterodine tartrate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing O-containing heterocycles as PDE IV inhibitors and anticholinergic agents for treatment of COPD or asthma)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

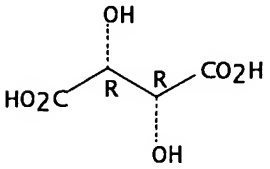
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 37 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:55181 CAPLUS
DN 142:134324
TI Enantioselective synthesis of enantiomerically enriched compounds
IN Piccolo, Oreste; Ulgheri, Fausta; Marchetti, Mauro
PA Consiglio Nazionale Delle Ricerche, Italy
SO PCT Int. Appl., 20 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005005356	A2	20050120	WO 2004-EP7193	20040701
	WO 2005005356	A3	20050317		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,

GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

IT 2003-MI1354 A 20030702
EP 1644311 A2 20060412 EP 2004-763070 20040701
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK
IT 2003-MI1354 A 20030702
WO 2004-EP7193 W 20040701

OS CASREACT 142:134324; MARPAT 142:134324

AB A process for the enantioselective hydrogenation of formula I [W = CH2, CO; X = OH, alkoxy, benzyloxy, etc.; Z = OH, alkoxy, benzyloxy with provisos] was disclosed. For example, compound II was enantioselectively reduced in the presence of [Rh(COD)Cl]2 and (S,S)-chiraphos to provide III in 84% and >99% e.e., which was subsequently converted to (S)-tolterodine. Of note, this transformation is claimed in the presence of a catalyst or its suitable precursor based on Rh, Ru or Ir, having an oxidation state of 0, +1 or +2, and containing at least one enantiomerically enriched chiral ligand.

IT 124937-52-6P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(enantioselective synthesis of enantiomerically enriched compds.)

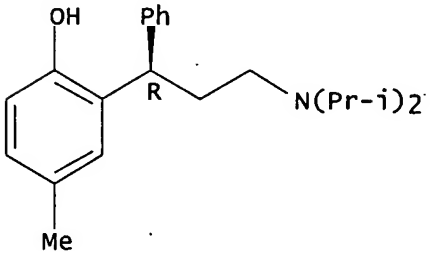
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

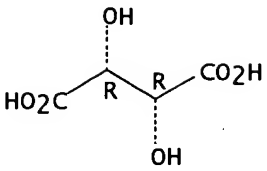
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 38 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:41309 CAPLUS
DN 142:463446
TI Process for preparing N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine in racemic or optically active form thereof
IN Lustig, Petr; Hejtmankova, Ludmila; Ridvan, Ludek; Hruby, Petr; Kuchar, Miroslav; Klouckova, Iveta; Sistek, Vaclav
PA Zentiva, A.S., Czech Rep.
SO Czech Rep., 11 pp.
CODEN: CZXXED
DT Patent
LA Czech
FAN.CNT 1

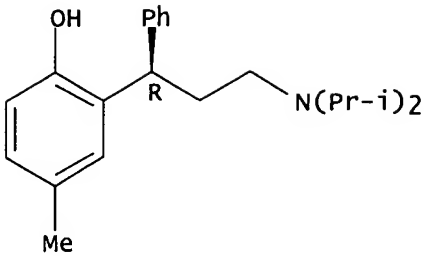
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CZ 293791	B6	20040714	CZ 2003-1571	20030605
				CZ 2003-1571	20030605

OS CASREACT 142:463446
AB The present invention relates to a process for preparing N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine I (also known as tolterodine) in racemic or optically active form thereof, comprising (a) O-dealkylation and cyclization of the acid II [R1 = alkyl, CH2Ph], (b) reduction of the resulting 3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-one III, (c) reaction of IV with sulfonic acid derivative (e.g., p-toluenesulfonyl chloride), reacting V [X = toluenesulfonyl, methanesulfonyl, camphor-10-sulfonyl] with diisopropylamine, and hydrolysis of VI [X is defined as above] to afford I. Thus, reduction of rac-3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-one (rac-III) with Red-Al, followed by reacting the resulting rac-IV with p-toluenesulfonyl chloride, reacting rac-V [X = p-toluenesulfonyl] with diisopropylamine, and hydrolysis of rac-VI with NaOH afforded rac-I.
IT 124937-52-6P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(process for preparing N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine in racemic or optically active form thereof)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

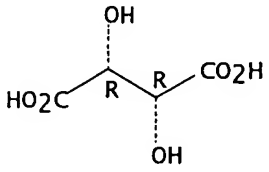
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 39 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:37484 CAPLUS
DN 142:309151
TI Effect of antacid on the pharmacokinetics of extended-release formulations of tolterodine and oxybutynin
AU Sathyan, Gayatri; Dmochowski, Roger R.; Appell, Rodney A.; Guo, Cindy; Gupta, Suneel K.
CS Department of Clinical Pharmacology, ALZA Corporation, Mountain View, CA, USA
SO Clinical Pharmacokinetics (2004), 43(14), 1059-1068
CODEN: CPKNDH; ISSN: 0312-5963
PB Adis International Ltd.
DT Journal
LA English
AB In general, extended-release (ER) formulations are designed to prolong the duration of efficacy and reduce the adverse effects of a drug. These formulations often contain the entire daily dose in a single tablet. Therefore, failure of the ER mechanism not only diminishes the desired benefits, but may temporarily expose the patient to drug concns. higher than those released from a conventional tablet. In this study we determined whether pH has an effect on drug release from the ER formulations of oxybutynin (OROS technol.) and tolterodine (membrane coated beads) in vitro and in vivo. In vitro studies were based on standardized dissoln. expts. for each drug in media of different pH (artificial gastric fluid at pH 1.2, artificial intestinal fluid at pH 7.5, and water). In the two sep., identically designed in vivo studies, single doses of each drug were administered alone and with an antacid to male and female healthy volunteers aged 18-45 years. The randomized, crossover, open-label in vivo studies employed a validated assay to determine plasma concns. of tolterodine and its metabolite 5-hydroxymethyl tolterodine (5-HM), or oxybutynin and its metabolite N-desethyloxybutynin. The in vitro study showed similar slow and steady drug release from ER-oxybutynin in each pH medium, with 64-71% released after 12 h. Drug release from ER-tolterodine

was steady and slow in artificial gastric fluid, with 72.5% of drug released after 12 h. However, drug release was much faster in artificial intestinal fluid and water, where 69.8% and 69.1%, resp., of the drug was released within 4 h. These in vitro results were consistent with the findings of the in vivo studies. In vivo, the pharmacokinetic profile (peak plasma concentration [Cmax] and area under the concentration-time curve) of ER-oxybutynin was similar after administration with or without antacid, whereas Cmax values of both tolterodine and 5-HM increased significantly when ER-tolterodine was administered with antacid ($p \leq 0.017$ vs ER-tolterodine alone). Changes in pH affected the release of tolterodine from ER-tolterodine, while they had no effect on the release of oxybutynin from the proprietary ER technol. used in ER-oxybutynin. The technol. employed in ER formulations thus dets. sensitivity of drug release to external factors.

IT 124937-52-6, Detrol
RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(drug release from ER-tolterodine was faster in nonacidic medium in vitro while tolterodine and its metabolite 5-HM peak concns. increased with no effect on AUC, t1/2 when ER-tolterodine was co-administered with antacid in human)

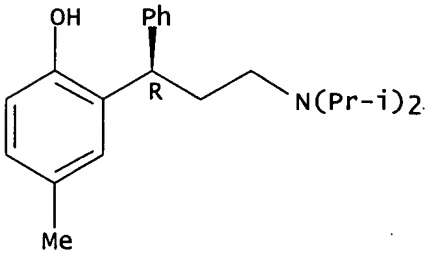
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

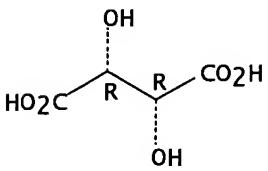
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 40 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:903965 CAPLUS
DN 141:384269
TI Pharmaceutical compositions containing phosphodiesterase IV inhibitor and anticholinergic agents for treatment of respiratory diseases and their kits
IN Abe, Yuzuru; Miki, Ichiro
PA Kyowa Hakko Kogyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 19 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

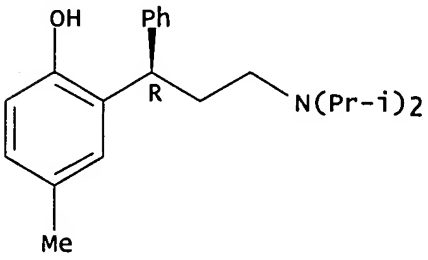
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2004300064	A2	20041028	JP 2003-94507	20030331
				JP 2003-94507	20030331

AB Tittle compns., useful for treatment of chronic obstructive pulmonary disease and asthma, contain 7-[2-(3,5-dichloro-4-pyridyl)-1-oxoethyl]-4-methoxy-spiro(1,3-benzodioxole-2,1'-cyclopentane) (I) or its pharmacol. acceptable salts and anticholinergic agents. Thus, I tablets and oxybutynin hydrochloride tablets were formulated.
IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing phosphodiesterase IV inhibitors and anticholinergic agents for treatment of respiratory diseases and their kits)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

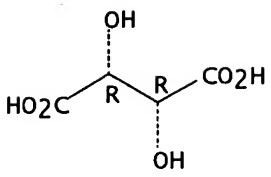
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 41 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:878262 CAPLUS
DN 141:337803
TI Novel polymorphs of tolterodine tartrate
IN Parthasaradhi, Reddy Bandi; Rathnakar, Reddy Kura; Raji, Reddy Rapolu; Muralidhara, Reddy Dasari; Subash, Chander, Reddy Kesireddy
PA Hetero Drugs Limited, India
SO PCT Int. Appl., 14 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004089281	A2	20041021	WO 2003-IN149	20030408
	WO 2004089281	A3	20041202		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	AU 2003304037	A1	20041101	AU 2003-304037	20030408
				WO 2003-IN149 A	20030408
	US 2005131067	A1	20050616	US 2003-510435	20030408
				WO 2003-IN149 W	20030408

AB The present invention relates to polymorphs of tolterodine tartrate, to processes for their preparation and to pharmaceutical compns. containing them.

A process for preparation of tolterodine tartrate crystalline forms comprises the steps of (a) dissolving tolterodine free base in a suitable solvent; (b) adding tartaric acid; and (c) isolating tolterodine tartrate crystalline forms; wherein the suitable solvent is selected from ethanol, methylene dichloride, chloroform, acetone, acetonitrile, 1,4-dioxane, Et acetate, and Me tert-Bu ether, or (a) mixing tolterodine tartrate, an alc. and water, and (b) removing the solvents from the solution by freeze drying. For example, 2.0 g of tolterodine free base was dissolved in 25 mL of Et acetate and 1.2 g of tartaric acid was added to the solution Then the contents were maintained for 2 h at 25° to 30° and filtered to give 2.2 g of tolterodine tartrate Form II.

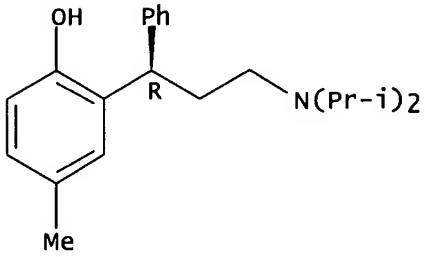
IT 124937-52-6P, Tolterodine tartrate
RL: PEP (Physical, engineering or chemical process); PRP (Properties); PYP (Physical process); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); PROC (Process); USES (Uses)
(preparation of crystalline forms of tolterodine tartrate for dosage forms)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

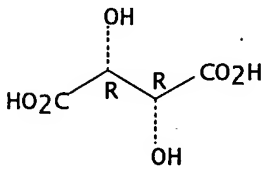
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 42 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:825265 CAPLUS
DN 142:336125
TI Process for preparing (R)-N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine (tolterodine)
IN Ridvan, Ludek; Hruby, Petr; Kuchar, Miroslav
PA Zentiva, A.S., Czech Rep.
SO Czech Rep., 7 pp.
CODEN: CZXXED
DT Patent
LA Czech
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI CZ 293509	B6	20040512	CZ 2003-531	20030221
			CZ 2003-531	20030221

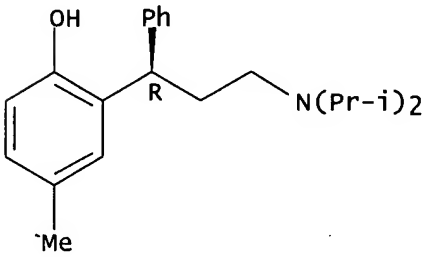
OS CASREACT 142:336125; MARPAT 142:336125
AB The title compound I, useful for treating urinary incontinence (no data; no claimed activity), was prepared by optical resolution of racemic 3-(2-alkyloxy-5-methylphenyl)-3-phenylpropanoic acids and subsequent conversion of the corresponding (R)-(+)-acid II [R = alkyl, CH2Ph] to tolterodine. Thus, optical resolution of 3-(2-benzyloxy-5-methylphenyl)-3-phenylpropanoic acid (preparation given) followed by amidation of the (R)-(+)-acid with diisopropylamine, reduction of the amide with synhydride, removal of the benzyl group, and treatment of the crude product with

tartaric acid afforded I.tartrate.
IT 124937-52-6P, Tolterodine tartrate
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(process for preparing (R)-N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropylamine (tolterodine) starting from 3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-one)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

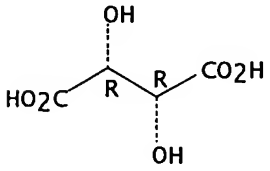
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 43 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:802289 CAPLUS
DN 141:301456
TI New formulations for treatment of overactive bladder comprising tolterodine
IN Nicklasson, Fredrik; Thyresson, Kristina; Lindberg, Nils-olof; Martino, Alice C.; Lindell, Katarina
PA Swed.
SO U.S. Pat. Appl. Publ., 6 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

PI US 2004191345 A1 20040930 US 2004-816673 20040402
SE 2003-830 A 20030326
US 2003-460214P P 20030403
AU 2004224556 A1 20041007 AU 2004-224556 20040316
SE 2003-830 A 20030326
WO 2004-IB859 A 20040316
CA 2519119 AA 20041007 CA 2004-2519119 20040316
SE 2003-830 A 20030326
WO 2004-IB859 W 20040316
WO 2004084864 A1 20041007 WO 2004-IB859 20040316
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
SE 2003-830 A 20030326
EP 1605920 A1 20051221 EP 2004-720944 20040316
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK
SE 2003-830 A 20030326
WO 2004-IB859 W 20040316
BR 2004008743 A 20060328 BR 2004-8743 20040316
SE 2003-830 A 20030326
WO 2004-IB859 W 20040316
CN 1764441 A 20060426 CN 2004-80008087 20040316
SE 2003-830 A 20030326
JP 2006521347 T2 20060921 JP 2006-506376 20040316
SE 2003-830 A 20030326
WO 2004-IB859 W 20040316

AB A tolterodine-containing pharmaceutical formulation that comprises cocoa powder, process for manufacturing the formulation and use of the formulation for treating overactive bladder are described. For example, an oral composition was prepared containing tolterodine l-tartrate 0.25%, hydrogenated soybean oil 43.55%, cocoa powder 18.00%, mannitol 18.00%, maize starch 13.35%, Aspartame 0.15%, Acesulfame-K 0.10%, titanium dioxide 2.00%, monosodium glutamate 0.60%, mint and vanilla flavors 3.00%, and soy lecithin 1.00%.

IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oral composition for treatment of overactive bladder comprising tolterodine and cocoa powder)

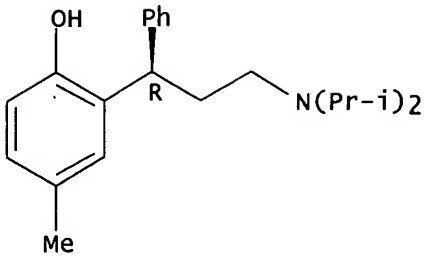
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

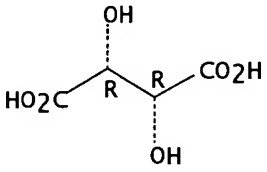
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 44 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:756674 CAPLUS
DN 141:265984
TI 3,3-Diarylpropylamine derivatives and processes for isolation thereof
IN Kumar, Yatendra; Prasad, Mohan; Kumar, Neela Praveen; Nayyar, Kaushal; Misra, Satyananda
PA Ranbaxy Laboratories Limited, India
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004078700	A1	20040916	WO 2004-IB638	20040308
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
				IN 2003-DE237	A 20030306
	AU 2004218178	A1	20040916	AU 2004-218178	20040308
				IN 2003-DE237	A 20030306
				WO 2004-IB638	A 20040308
	CA 2517824	AA	20040916	CA 2004-2517824	20040308
				IN 2003-DE237	A 20030306
				WO 2004-IB638	W 20040308
	EP 1603862	A1	20051214	EP 2004-718361	20040308
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				

IN 2003-DE237 A 20030306
WO 2004-IB638 W 20040308

AB The invention relates to 3,3-diarylpropylamines derivs. and processes for producing them. More particularly, it relates to the preparation of pure tolterodine or a pharmaceutically acceptable salt thereof and pharmaceutical compns. that include the pure tolterodine or a pharmaceutically acceptable salt thereof. It also relates to a novel 3,3-diarylpropylamine derivative, referred to as tolterodine dimer. Chemical, tolterodine dimer is N,N-di-[3-[2-hydroxy-5-methylphenyl]-3-phenylpropyl]isopropylamine.The invention also relates to use of pure tolterodine or tolterodine dimer as reference stds. or reference markers for checking the purity of tolterodine.

IT 124937-52-6P, Tolterodine tartrate
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(3,3-diarylpropylamine derivs. and processes for isolation thereof)

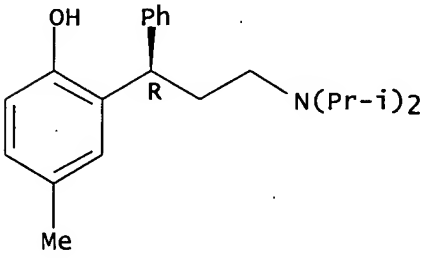
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

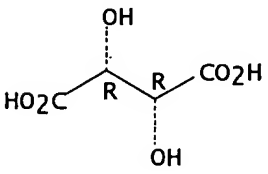
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

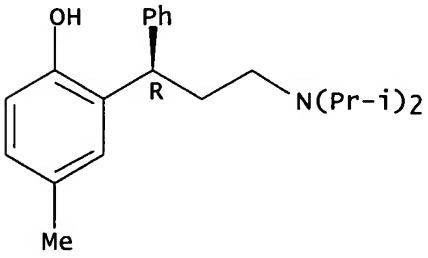
L11 ANSWER 45 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:710573 CAPLUS
DN 141:355540
TI A validated chiral HPLC method for the enantiomeric separation of

tolterodine tartarate
AU Kumar, Y. Ravindra; Ramulu, G.; Vevakanand, V. V.; Vaidyanathan, Gopal; Srinivas, Keesari; Kumar, M. Kishore; Mukkanti, K.; Reddy, M. Satyanarayana; Venkatraman, S.; Suryanarayana, M. V.
CS Bulk Actives Unit-III, IDA-Bollaram, Dr. Reddy's Laboratories Ltd., Hyderabad, AP, 502325, India
SO Journal of Pharmaceutical and Biomedical Analysis (2004), 35(5), 1279-1285
CODEN: JPBADA; ISSN: 0731-7085
PB Elsevier B.V.
DT Journal
LA English
AB An isocratic chiral HPLC method was developed for the separation of tolterodine tartrate enantiomers. The mobile phase consists of n-hexane and iso-Pr alc. in the ratio of 980:20 (volume/volume) with 1 mL diethylamine and 0.6 mL trifluoroacetic acid. Chiralcel OD-H (250 mm + 4.6 mm) column was used at constant room temperature Flow rate was kept at 0.5 mL/min. This method is capable of detecting the S-isomer up to 0.1 μg/mL. The method was validated in terms of linearity, precision, limit of detection (LOD), and limit of quantification (LOQ).
IT 124937-52-6, Tolterodine tartrate
RL: ANT (Analyte); ANST (Analytical study)
(a validated chiral HPLC method for the enantiomeric separation of tolterodine tartrate)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

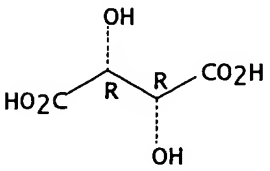
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 46 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:633513 CAPLUS
DN 141:134132
TI Reduced dose of tolterodine and other antimuscarinic agents for treating urinary disorders
IN Korberly, Barbara H.; Danehower, Susan M.
PA Pharmacia AB, Swed.
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

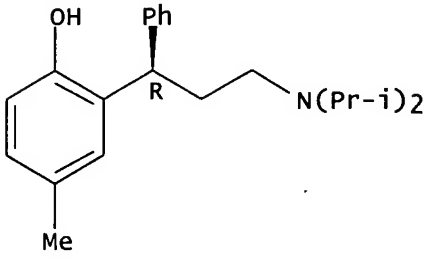
	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2004064821	A1	20040805	WO 2004-IB169		20040114
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI					
				US 2003-441690P	P	20030122
	AU 2004206110	A1	20040805	AU 2004-206110		20040114
				US 2003-441690P	P	20030122
				WO 2004-IB169	W	20040114
	CA 2514022	AA	20040805	CA 2004-2514022		20040114
				US 2003-441690P	P	20030122
				WO 2004-IB169	W	20040114
	EP 1589958	A1	20051102	EP 2004-702017		20040114
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK					
				US 2003-441690P	P	20030122
				WO 2004-IB169	W	20040114
	BR 2004006861	A	20060103	BR 2004-6861		20040114
				US 2003-441690P	P	20030122
				WO 2004-IB169	W	20040114
	CN 1741796	A	20060301	CN 2004-80002565		20040114
				US 2003-441690P	P	20030122
	JP 2006515607	T2	20060601	JP 2006-500313		20040114
				US 2003-441690P	P	20030122
				WO 2004-IB169	W	20040114
	US 2006047007	A1	20060302	US 2004-762726		20040122
				US 2003-441690P	P	20030122

AB The invention discloses a method, preferably an oral method, for treating urinary disorders, e.g. unstable or overactive bladder, while minimizing the occurrences of dry mouth, dyspepsia and reduced stream of tears. The methods of the invention comprise orally administering to a mammal, preferably a human, a pharmaceutically ED of an antimuscarinic agent, such as tolterodine, when needed, whereby a symptomatic relief of urgency and/or frequency is achieved.
IT 124937-52-6, Detrol
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tolterodine or other antimuscarinic agent dose reduction for treatment of urinary disorders)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

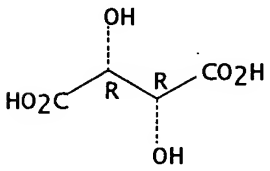
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 47 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:428812 CAPLUS
DN 140:412343
TI Combination therapy for postmenopausal female sexual dysfunction comprising an androgen, an estrogen and an antimuscarinic
IN Bilkey, Chris R.; Slatter, Greg J.
PA Pharmacia & Upjohn Company, USA
SO PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004043429	A1	20040527	WO 2003-US34418	20031029

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				US 2002-425537P	P 20021112
AU 2003287248	A1	20040603		AU 2003-287248	20031029
				US 2002-425537P	P 20021112
				WO 2003-US34418	W 20031029

AB A set of pharmaceutical dosage forms is provided, each comprising an androgen and at least one agent selected from the group consisting of an estrogen and an antimuscarinic, in total and relative dosage amts. that are therapeutically effective in treatment of female sexual dysfunction (FSD) or postmenopausal sexual avoidance (PMSA), said dosage forms being adapted for intravaginal administration. A method of treatment of FSD or PMSA comprises administering intravaginally, in a treatment regimen extending over a period of at least 7 days, dosage forms at least a portion of which comprise an androgen and at least one agent selected from the group consisting of an estrogen and an antimuscarinic, in total and relative dosage amts. that are therapeutically effective in treatment of FSD or PMSA, wherein no more than one dosage form is administered on any day. Also provided is a kit useful in implementing such a treatment regimen.

IT 124937-52-6, Tolterodine tartrate
RL: PEP (Physical, engineering or chemical process); PYP (Physical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(combination therapy for postmenopausal female sexual dysfunction comprising an androgen, an estrogen and an antimuscarinic)

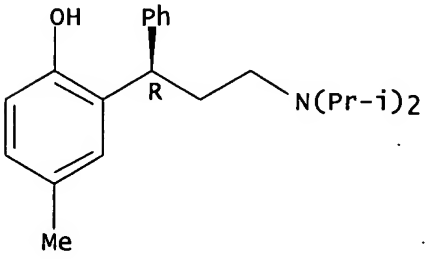
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

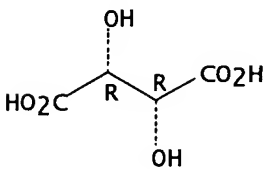
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

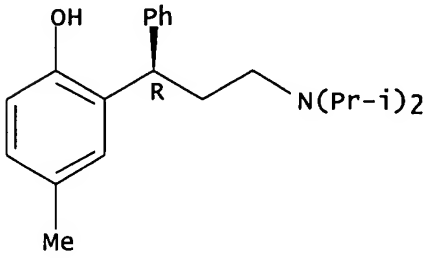
L11 ANSWER 48 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:410936 CAPLUS
DN 141:46646
TI Management of overactive bladder: defining the role of extended-release tolterodine
AU Keam, Susan J.; Perry, Caroline M.
CS Adis International Inc., Yardley, PA, USA
SO Disease Management & Health Outcomes (2004), 12(2), 121-142
CODEN: DMHOFV; ISSN: 1173-8790
PB Adis International Ltd.
DT Journal; General Review
LA English
AB A review. Overactive bladder (OAB), a common condition affecting ≈ 16-17% of adult men and women in Europe and the US, is characterized by symptoms of urinary urgency, with or without urge urinary incontinence (UUI), usually with micturition frequency and nocturia. OAB is thought to result from abnormal, involuntary detrusor contractions during bladder filling. The symptoms of OAB have a considerable adverse effect on quality of life (QOL) in affected patients, and are associated with an increased risk of comorbidities, and increased direct and indirect costs. Management of OAB focuses on symptom improvement, and includes nonpharmacol. and pharmacol. therapy. Extended-release tolterodine (Detrusitol XL, Detrol LA, Detrusitol SR, Detrusitol Neo, Detrusitol Retard, Unidet LA) is an oral, once-daily, nonselective, competitive antimuscarinic drug. It acts on smooth muscle motor efferent pathways, including bladder detrusor muscle, and is a first-line therapy for OAB. Extended-release tolterodine is at least as effective as immediate-release tolterodine in improving UUI and other symptoms associated with OAB (including urinary frequency, urge symptoms, voided volume/micturition), and in improving health-related QOL. It has similar efficacy to oral immediate- or extended-release oxybutynin, or transdermal oxybutynin. The likelihood of dry mouth, the most bothersome anticholinergic adverse effect associated with antimuscarinic drugs, is significantly reduced with extended-release tolterodine in patients with OAB compared with immediate-release tolterodine. Dry mouth also occurs significantly less frequently with extended-release tolterodine than with immediate- or extended-release oxybutynin. The incidence of dry mouth with extended-release tolterodine or transdermal oxybutynin is similar. In economic models, extended-release tolterodine is more cost effective in patients with OAB than no treatment, or treatment with immediate-release tolterodine or immediate-release oxybutynin, and is as cost effective as extended-release oxybutynin. In conclusion, clin. and economic data support the use of extended-release tolterodine as a first-line therapy in the management of adult patients with OAB. It is at least as effective as immediate-release tolterodine, but is associated with a lower incidence of dry mouth. Moreover, the convenient once-daily administration regimen offers the potential for good compliance. The favorable efficacy and tolerability profile of extended-release tolterodine has been demonstrated for up to 12 mo. Extended-release tolterodine is as effective as oral immediate- or extended-release oxybutynin, but is better tolerated in terms of dry mouth. It has similar efficacy and tolerability (including dry mouth) to transdermal oxybutynin. Extended-release tolterodine is, therefore, a valuable first-line therapy in the treatment of OAB.
IT 124937-52-6, Detrusitol
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(extended-release tolterodine in management of overactive bladder)
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

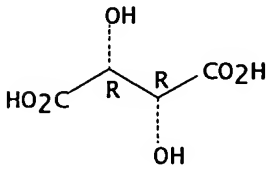
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 144 THERE ARE 144 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 49 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:203653 CAPLUS
DN 140:241060
TI Oral liquid tolterodine compositions
IN Reo, Joseph P.; Kienle, Kathryn M.; Fredrickson, Jennifer K.
PA Pharmacia Corporation, USA
SO PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2004019925	A1	20040311	WO 2003-US26675	20030825

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,

	KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2002-406429P	P	20020828
CA 2496806		AA	20040311	CA 2003-2496806		20030825
				US 2002-406429P	P	20020828
				WO 2003-US26675	W	20030825
AU 2003265680		A1	20040319	AU 2003-265680		20030825
				US 2002-406429P	P	20020828
				WO 2003-US26675	W	20030825
US 2005032905		A1	20050210	US 2003-647816		20030825
US 7101888		B2	20060905			
				US 2002-406429P	P	20020828
EP 1536780		A1	20050608	EP 2003-791779		20030825
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK						
				US 2002-406429P	P	20020828
				WO 2003-US26675	W	20030825
BR 2003013714		A	20050628	BR 2003-13714		20030825
				US 2002-406429P	P	20020828
				WO 2003-US26675	W	20030825
JP 2006500381		T2	20060105	JP 2004-531469		20030825
				US 2002-406429P	P	20020828
				WO 2003-US26675	W	20030825

AB A pharmaceutical composition in a form of an oral liquid comprises water having in solution therein a water-soluble salt of a tolterodine-related compound at a concentration in the composition The composition has a pH of about 2-6 and further comprises a sweetening agent and an antimicrobial agent at a concentration that is antimicrobially effective at the pH of the composition The composition is useful for treating a muscarinic receptor-mediated disorder, more particularly overactive bladder, in a subject by orally administering to the subject an effective amount of the composition Thus, a formulation contained tolterodine L-tartrate 0.2, 85% sucrose solution 382.42, 70% sorbitol solution 54, citric acid 5.88, sodium citrate 5, sodium benzoate 1, artificial wild cherry flavor 1, and SweetAm powder 0.5 mg, and water qs to 1 mL.

IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oral liquid tolterodine compns.)

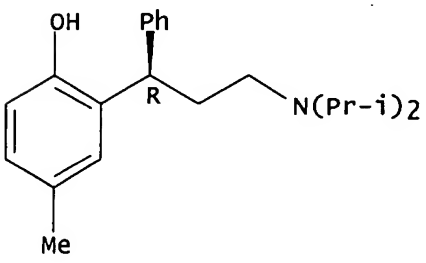
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

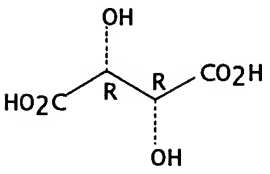
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 50 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:1007337 CAPLUS
DN 140:53286
TI Clinical efficacy and tolerability of extended-release tolterodine and immediate-release oxybutynin in Japanese and Korean patients with an overactive bladder: a randomized, placebo-controlled trial
AU Homma, Y.; Paick, J. S.; Lee, J. G.; Kawabe, K.
CS Japanese and Korean Tolterodine Study Group, Department of Urology, Tokyo University, Tokyo, Japan
SO BJU International (2003), 92(7), 741-747
CODEN: BJINFO; ISSN: 1464-4096
PB Blackwell Publishing Ltd.
DT Journal
LA English
AB Objective: To compare extended-release (ER) tolterodine and immediate-release (IR) oxybutynin with placebo in Japanese and Korean patients with an overactive bladder (OAB). Patients and Methods: Men and women aged ≥ 20 yr with symptoms of urinary urgency, urinary frequency (≥ 8 micturitions/24 h), urge incontinence (≥ 5 episodes/wk) and symptoms of OAB for ≥ 6 mo were randomized to double-blind treatment with tolterodine ER 4 mg once daily, oxybutynin IR 3 mg three times daily or placebo for 12 wk. Efficacy assessments included changes from baseline in nos. of incontinence episodes per wk, voids/24 h and mean volume voided/void. Patient perceptions of bladder condition, urgency and treatment benefit were also assessed. Results: In all, 608 patients were randomized to treatment with tolterodine (240), oxybutynin (246) or placebo (122). More patients prematurely withdrew on oxybutynin (23%) than with tolterodine (10.4%) or placebo (16.4%). After 12 wk of treatment, the median number of incontinence episodes/wk was reduced significantly more in the tolterodine (79%; P = 0.0027) and oxybutynin groups (76.5%; P = 0.0168) than on placebo (46.4%). There were also significantly greater improvements in the number of voids/24 h and volume voided/void with tolterodine and oxybutynin than with placebo. More patients in the tolterodine and oxybutynin than in the placebo groups reported improvements in perceived bladder condition, ability to hold urine and treatment benefit. Patients treated with oxybutynin reported more adverse events than those treated with tolterodine or placebo. Dry mouth was significantly more common with oxybutynin than with tolterodine (53.7% vs. 33.5%; P < 0.001), and occurred in 9.8% of placebo patients. Conclusion: Tolterodine ER has similar efficacy but is better tolerated than oxybutynin IR in Japanese and Korean patients with OAB.
IT 124937-52-6, Detrol

RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(extended-release tolterodine vs. immediate-release oxybutynin in Japanese and Korean patients with overactive bladder)

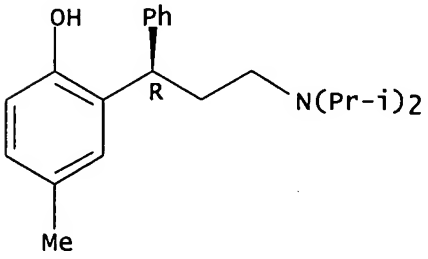
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

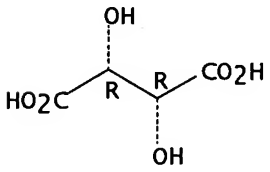
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 51 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:971836 CAPLUS
DN 140:23256
TI Combination therapy for treatment of amyotrophic lateral sclerosis (ALS) with cyclooxygenase-2 (COX 2) inhibitor(s) and a second drug
IN Isakson, Peter C.
PA Pharmacia Corporation, USA
SO PCT Int. Appl., 358 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003101380	A2	20031211	WO 2003-US14547	20030528
	WO 2003101380	A3	20041111		

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				US 2002-384104P	P	20020531
				US 2003-444071	A	20030523
US	2004063751	A1	20040401	US 2003-444071		20030523
				US 2002-384104P	P	20020531
CA	2487885	AA	20031211	CA 2003-2487885		20030528
				US 2002-384104P	P	20020531
				US 2003-444071	A	20030523
				WO 2003-US14547	W	20030528
AU	2003241400	A1	20031219	AU 2003-241400		20030528
				US 2002-384104P	P	20020531
				US 2003-444071	A	20030523
				WO 2003-US14547	W	20030528
BR	2003011524	A	20050510	BR 2003-11524		20030528
				US 2002-384104P	P	20020531
				US 2003-444071	A	20030523
				WO 2003-US14547	W	20030528
EP	1539169	A2	20050615	EP 2003-731134		20030528

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

				US 2002-384104P	P	20020531
				US 2003-444071	A	20030523
				WO 2003-US14547	W	20030528
JP	2005534642	T2	20051117	JP 2004-508738		20030528
				US 2002-384104P	P	20020531
				US 2003-444071	A	20030523
				WO 2003-US14547	W	20030528

OS MARPAT 140:23256

AB A method of treating, preventing, or inhibiting ALS, in a subject in need of such treatment, inhibition or prevention. The method comprises administering to a subject one or more cyclooxygenase-2 selective inhibitor(s) or isomer(s) or pharmaceutically acceptable salt(s), ester(s), or prodrug(s) thereof, in combination with one or more second drugs, wherein the amount of the cyclooxygenase-2 selective inhibitor(s) or isomer(s) or pharmaceutically acceptable salt(s), ester(s), or prodrug(s) thereof in combination with the amount of second drug(s) constitutes an ALS treatment, inhibition or prevention effective amount

IT 124937-52-6, Detrol
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(combination therapy for amyotrophic lateral sclerosis treatment of with COX-2 inhibitor and second drug)

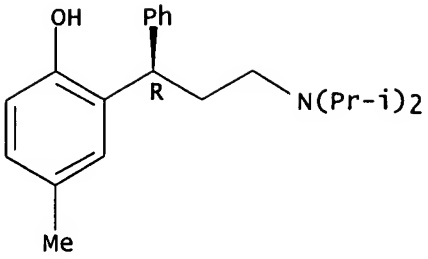
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

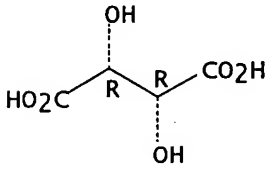
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 52 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:836606 CAPLUS
DN 139:328349
TI Tolterodine and hydroxytolterodine salts and their use as pharmaceuticals
IN Hawley, Michael; Singh, Satish Kumar; Morozowich, Walter; Warchol, Mark P.
PA Pharmacia & Upjohn Company, USA
SO U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2003199582	A1	20031023	US 2002-127875	20020423
US 7005449	B2	20060228		
CA 2483092	AA	20031106	CA 2003-2483092	20030422
			US 2002-127875 A	20020423
			WO 2003-SE634 W	20030422
WO 2003090734	A1	20031106	WO 2003-SE634	20030422

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

			US 2002-127875	A 20020423
AU 2003237724	A1	20031110	AU 2003-237724	20030422
			US 2002-127875	A 20020423

				WO 2003-SE634	W	20030422
EP 1496882	A1	20050119		EP 2003-736380		20030422
EP 1496882	B1	20060802				
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				US 2002-127875	A	20020423
				WO 2003-SE634	W	20030422
BR 2003009439	A	20050215		BR 2003-9439		20030422
				US 2002-127875	A	20020423
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CN 1646110	A	20050727		CN 2003-809064		20030422
				US 2002-127875	A	20020423
JP 2005535578	T2	20051124		JP 2003-587370		20030422
				US 2002-127875	A	20020423
				WO 2003-SE634	W	20030422
AT 334665	E	20060815		AT 2003-736380		20030422
				US 2002-127875	A	20020423
NO 2004004449	A	20041026		NO 2004-4449		20041019
				US 2002-127875	A	20020423
				WO 2003-SE634	A	20030422

OS MARPAT 139:328349

AB The present invention concerns novel pharmaceutically active compds., pharmaceutical compns. containing the same, the compds. for use as medicaments, and use of the compds. for the manufacture of specific medicaments. The present invention also concerns a method of treatment involving administration of the compds. by inhalation and insufflation. Specifically, the compds. are pharmaceutically acceptable salts of tolterodine or hydroxytolterodine, wherein the salt is of an acid selected from the group consisting of aliphatic mono- and dicarboxylic acids comprising from 7 to 24 carbon atoms, alkanedisulfonic acids comprising from 2 to 4 carbon atoms, naphthoic acid derivs. comprising from 11 to 27 carbon atoms, maleic acid and fumaric acid.

IT 124937-52-6, Tolterodine tartrate
RL: PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tolterodine and hydroxytolterodine salts for inhalation)

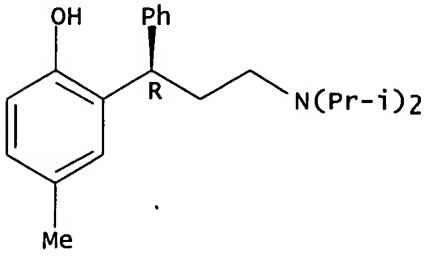
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

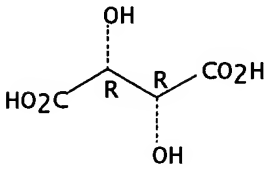
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 53 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:784592 CAPLUS
DN 139:281288
TI Controlled-release formulations for tolterodine
IN Nilvebrant, Lisbeth; Hallen, Bengt; Olsson, Birgitta; Strombom, Jan; Gren, Torkek; Ringberg, Anders; Wikberg, Martin
PA Pharmacia AB, Swed.
SO U.S., 7 pp., Cont.-in-part of Appl. No. PCT/SE99/02052.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 6630162	B1	20031007	US 2000-708428		20001109
				WO 1999-SE2052	A2	19991111
				SE 2000-782	A	20000309
				US 2000-202862P	P	20000510
	WO 2000027364	A1	20000518	WO 1999-SE2052		19991111
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
				SE 1998-3871	A	19981111
				WO 1999-SE1463	W	19990826

PATENT FAMILY INFORMATION:
FAN 2000:161114

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2000012069	A1	20000309	WO 1999-SE1463		19990826
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	CA 2311755	AA	20000309	CA 1999-2311755		19990826

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				WO 1999-SE1463	W	19990826
AU 9958918		A1	20000321	AU 1999-58918		19990826
AU 745190		B2	20020314			
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EP 1039882		A1	20001004	EP 1999-946521		19990826
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				WO 1999-SE1463	W	19990826
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HU 200100437		A2	20020529	HU 2001-437		19990826
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				SE 1998-2864	A	19980827
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IL 136294		A1	20040208	IL 1999-136294		19990826
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CA 2350061		C	20050517			
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				WO 1999-SE2052	W	19991111
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG						
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BR 9915142		A	20010807	BR 1999-15142		19991111
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			WO 1999-SE1463	A	19990826
EE 200100254	A	20021216	EE 2001-254		19991111
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
JP 2003517446	T2	20030527	JP 2000-580595		19991111
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			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
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			WO 1999-SE1463	W	19990826
			WO 1999-SE2052	W	19991111
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			SE 1998-3871	A	19981111
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			WO 1999-SE2052	W	19991111
PT 1128819	T	20031231	PT 1999-971702		19991111
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			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
SK 284758	B6	20051103	SK 2001-625		19991111
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	A	19991111
TW 222879	B1	20041101	TW 2000-89102338		20000211
			SE 1998-3871	A	19981111
BG 104476	A	20001229	BG 2000-104476		20000526
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			SE 1998-3871	A	19981111
			WO 1999-SE1463	W	19990826
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			SE 1998-2864	A	19980827
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			WO 1999-SE1463	W	19990826
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			SE 1998-3871	A	19981111
			WO 1999-SE1463	W	19990826
			WO 1999-SE2052	W	19991111
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			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
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				SE 1998-3871	A	19981111
				WO 1999-SE1463	W	19990826
	HK 1040917	A1	20050527	HK 2002-102521		20020404
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				WO 1999-SE2052	A	19991111

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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
	AU 9958919	A1	20000321	AU 1999-58919		19990826
	AU 758399	B2	20030320			
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				WO 1999-SE1464	W	19990826
	EP 1105111	A1	20010613	EP 1999-946522		19990826
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO					
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				WO 1999-SE1464	W	19990826
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				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
	NZ 509928	A	20030829	NZ 1999-509928		19990826
				SE 1998-2864	A	19980827
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,					

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RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
SE 1998-2864 A 19980827
SE 1998-3871 A 19981111
CA 2350061 AA 20000518 CA 1999-2350061 19991111
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WO 1999-SE2052 W 19991111
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AU 762410 B2 20030626
SE 1998-3871 A 19981111
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WO 1999-SE2052 W 19991111
BR 9915142 A 20010807 BR 1999-15142 19991111
SE 1998-3871 A 19981111
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WO 1999-SE2052 W 19991111
EE 200100254 A 20021216 EE 2001-254 19991111
SE 1998-3871 A 19981111
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SK 284758 B6 20051103 SK 2001-625 19991111
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TW 222879 B1 20041101 TW 2000-89102338 20000211

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CA 2387973		AA	20010517	CA 2000-2387973		20001024
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG						
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				SE 2000-782	A	20000309
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AU 784104		B2	20060202			
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				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
BR 2000015346		A	20020625	BR 2000-15346		20001024
				WO 1999-SE2052	A	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				WO 1999-SE2052	W	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				WO 1999-SE2052	A	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				WO 1999-SE2052	A	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				SE 2000-782	A	20000309
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				SE 2000-782	A	20000309

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				WO 1999-SE1463	A	19990826
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				WO 1999-SE1463	A	19990826
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	ZA 2002002767	A	20030409	ZA 2002-2767		20020409
				WO 1999-SE2052	A	19991111
	NO 2002002264	A	20020513	NO 2002-2264		20020513
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FAN 2001:359788

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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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				WO 1999-SE1463	W	19990826
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				WO 2000-SE2061	W	20001024
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			SE 2000-782	A 20000309
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			SE 2000-782	A 20000309
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			WO 2000-SE2061	W 20001024
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			WO 2000-SE2061	W 20001024
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			SE 2000-782	A 20000309
			WO 2000-SE2061	W 20001024
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			WO 1999-SE2052	A 19991111
			SE 2000-782	A 20000309
			WO 2000-SE2061	W 20001024
NO 2002002264	A	20020513	NO 2002-2264	20020513
			WO 1999-SE2052	W 19991111
			SE 2000-782	A 20000309
			WO 2000-SE2061	W 20001024

AB The invention relates to a pharmaceutical formulation containing tolterodine, a tolterodine-related compound, or a pharmacol. acceptable salt thereof, as active ingredient. The formulation exhibits a controlled in vitro release of the active ingredient in phosphate buffer at pH 6.8 of not less than about 80% after 18 h. After oral administration to a patient the formulation is capable of maintaining a substantially constant serum level of the active moiety or moieties for 24 h. The invention also relates to the use of the pharmaceutical formulation for treating overactive bladder and gastrointestinal disorders. For example, controlled-release beads with a three-layer coating were prepared Starch-containing sugar spheres (cores) were coated with a Surelease seal coat, a tolterodine tartrate/hydroxypropyl Me cellulose (HPMC) layer, and a Surelease/HPMC final layer. After tray drying, the coated spheres were filled into hard gelatin capsules to obtain 2 mg and 4 mg tolterodine L-tartrate capsules.

IT 124937-52-6, Tolterodine tartrate
RL: PKT (Pharmacokinetics); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(controlled-release oral formulations for tolterodine)

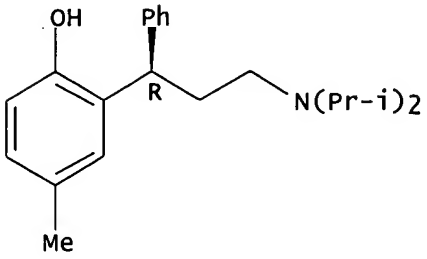
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

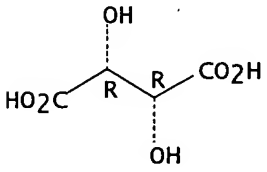
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 54 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:678653 CAPLUS
DN 139:207821
TI Use of cyclooxygenase inhibitors and antimuscarinic agents for the treatment of incontinence
IN Versi, Ebrahim
PA Pharmacia Corporation, USA
SO PCT Int. Appl., 51 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003070233	A1	20030828	WO 2003-US4561	20030214
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2002-357888P	P 20020219
CA 2475374	AA	20030828	CA 2003-2475374	20030214
			US 2002-357888P	P 20020219
			WO 2003-US4561	W 20030214

AU 2003211078	A1	20030909	AU 2003-211078	20030214
			US 2002-357888P	P 20020219
			WO 2003-US4561	W 20030214
EP 1476146	A1	20041117	EP 2003-742765	20030214
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
			US 2002-357888P	P 20020219
			WO 2003-US4561	W 20030214
BR 2003007772	A	20041207	BR 2003-7772	20030214
			US 2002-357888P	P 20020219
			WO 2003-US4561	W 20030214
CN 1633283	A	20050629	CN 2003-804160	20030214
			US 2002-357888P	P 20020219
JP 2005526040	T2	20050902	JP 2003-569190	20030214
			US 2002-357888P	P 20020219
			WO 2003-US4561	W 20030214
US 2003191172	A1	20031009	US 2003-368091	20030218
			US 2002-357888P	P 20020219

AB The invention provides a method for the use of a cyclooxygenase-2 inhibitor, alone or in combination with an antimuscarinic agent, for the treatment or prophylaxis of a urinary incontinence condition in a subject in need of such treatment or prevention, comprising administering to the subject an effective amount of the cyclooxygenase-2 inhibitor and, optionally, the antimuscarinic agent.

IT 124937-52-6, Tolterodine tartrate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(cyclooxygenase inhibitors and antimuscarinic agents for treatment of incontinence)

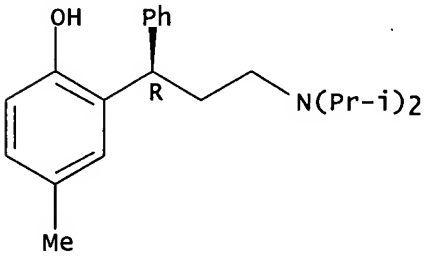
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

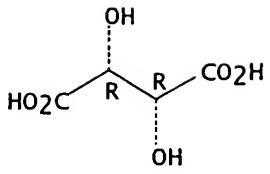
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 55 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:652747 CAPLUS
DN 140:31465
TI Sustained-release preparation of tolterodine tartrate and preparing thereof
IN Cao, Deshan; Liu, Zhenghe
PA Meirui Pharmaceutical Co., Ltd., Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 10 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

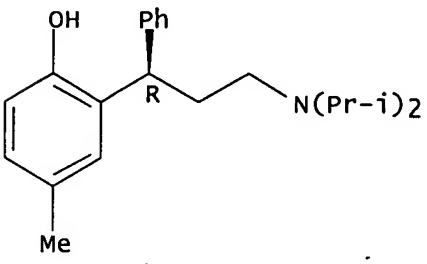
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1372923	A	20021009	CN 2002-112512	20020109
				CN 2002-112512	20020109

AB Tolterodine tartrate sustained-release prepns. (such as granules, tablets, pills, or capsules) for treating bladder diseases is composed of tolterodine tartrate 1, C3-20 aliphatic carboxylic acid (such as tartaric acid, malic acid, succinic acid, glutaric acid, glutamic acid, maleic acid, mandelic acid, and/or citric acid) and/or alditol (such as mannitol, xylitol, lactose, or sucrose) 2-50, cellulose or its derivative (such as microcryst. cellulose, hydroxypropyl cellulose, hydroxypropyl Me cellulose, and/or Na CM-cellulose) 1-100, dextrin 2-50, polyvinylpyrrolidone 1-50, and lubricant (such as talc, stearic acid, or Mg stearate) 0.1-5 part.
IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(sustained-release preparation of tolterodine tartrate)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

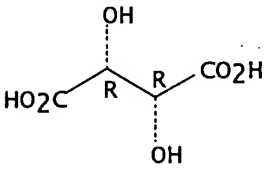
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 56 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:511139 CAPLUS
DN 139:74052
TI Controlled release dosage forms containing polymers
IN Aldrich, Dale S.; Wald, Randy J.; Hlinak, Anthony J.; Bandyopadhyay, Rebanta; Coffey, Martin J.; Goll, Diane; Mazhary, Ahmad M.; Meury, Richard H.; Rohrs, Brian R.; Skoug, John W.; Secreast, Stephen L.; Stelzer, Dennis J.; White, Jackie G.
PA Pharmacia Corporation, USA; et al.
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2003053428	A1	20030703	WO 2002-US41037	20021219
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2001-342650P	P 20011220
AU 2002360717	A1	20030709	AU 2002-360717	20021219
			US 2001-342650P	P 20011220
			WO 2002-US41037	W 20021219
US 2003152624	A1	20030814	US 2002-325298	20021219
			US 2001-342650P	P 20011220

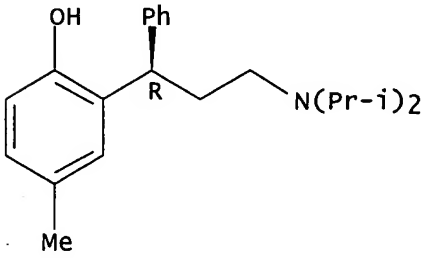
AB Controlled release pharmaceutical compns. comprising tolterodine and a polymer-based release-controlling component and processes for preparing such compns. are provided. The compns. are useful in the treatment of overactive bladder and similar conditions. Thus, a coated bead formulation comprised in the core sugar spheres 73.3%; the first layer contained Surelease E-7-19010 Clear 11.9, and water qs; the second layer comprised tolterodine L-tartrate 2.2, HPMC-2910 1.7%, and water qs; the third layer was composed of Surelease E-7-19010 8.5, HPMC-2910 1.4% and water qs; the 4th layer HPMC-2910 1.0%, and water qs (water removed during processing).
IT 124937-52-6

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(controlled release dosage forms containing polymers)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

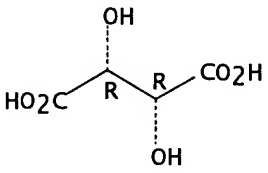
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 57 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:511071 CAPLUS
DN 139:47218
TI Vaginal delivery of drugs for the treatment of urogenital diseases
IN Dipiano, Gerianne Tringali; Ziemniak, John A.; Janicki, Thomas I.
PA Femmepharma, Inc., USA
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2003053292	A1	20030703	WO 2002-US40875	20021219
	WO 2003053292	B1	20040708		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA,
UG, UZ, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ,
CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

				US 2001-342663P	P 20011220
CA 2471400		AA	20030703	CA 2002-2471400	20021219
				US 2001-342663P	P 20011220
				WO 2002-US40875	W 20021219
AU 2002366800		A1	20030709	AU 2002-366800	20021219
				US 2001-342663P	P 20011220
				WO 2002-US40875	W 20021219
US 2003143278		A1	20030731	US 2002-324624	20021219
				US 2001-342663P	P 20011220
EP 1455697		A1	20040915	EP 2002-805642	20021219

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

				US 2001-342663P	P 20011220
				WO 2002-US40875	W 20021219
JP 2005513080		T2	20050512	JP 2003-554053	20021219
				US 2001-342663P	P 20011220
				WO 2002-US40875	W 20021219

AB Drug delivery compns. which are suitable for vaginal administration for the treatment of diseases and disorders in the urogenital tract are described. The compns. may be in the form of a tablet, liquid suspension or dispersion, dried powder, topical ointment, cream, foam, suppository, or aerosol. The drug delivery compns. are administered directly to the vagina and do not require the use of a solid device. This method of administration reduces the systemic levels of the drugs.

IT 124937-52-6, Tolterodine tartrate
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(vaginal delivery of drugs for treatment of urogenital diseases)

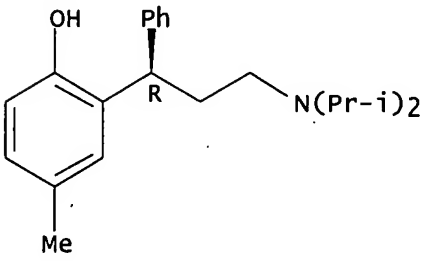
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

Absolute stereochemistry. Rotation (+).

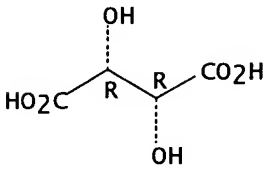


CM 2

CRN 87-69-4

CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 58 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:396255 CAPLUS
DN 138:406917
TI Buccal sprays or capsules containing drugs for treating disorders of the gastrointestinal or urinary tracts
IN Dugger, Harry A., III
PA USA
SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 537,118.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 19

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2003095926	A1	20030522	US 2002-230085	20020829
				WO 1997-US17899 A2	19971001
				US 2000-537118 A2	20000329
	WO 9916417	A1	19990408	WO 1997-US17899	19971001
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	EP 1029536	A1	20000823	EP 2000-109347	19971001
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
				EP 1997-911621 A3	19971001
	EP 1036561	A1	20000920	EP 2000-109357	19971001
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				EP 1997-911621 A3	19971001
	CA 2497112	AA	20040311	CA 2003-2497112	20030827
				US 2002-230085 A	20020829
				WO 2003-US26854 W	20030827
	WO 2004019910	A2	20040311	WO 2003-US26854	20030827
	WO 2004019910	A3	20040729		
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				

KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
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				US 2002-230085	A	20020829
AU 2003272242	A1	20040319		AU 2003-272242		20030827
				US 2002-230085	A	20020829
				WO 2003-US26854	W	20030827
EP 1534242	A2	20050601		EP 2003-754415		20030827

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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK

			US 2002-230085	A	20020829
			WO 2003-US26854	W	20030827
JP 2006506342	T2	20060223	JP 2004-531570		20030827
			US 2002-230085	A	20020829
			WO 2003-US26854	W	20030827
US 2004136914	A1	20040715	US 2003-671717		20030929
			WO 1997-US17899	A2	19971001
			US 2000-537118	A2	20000329
			US 2002-230085	A2	20020829
US 2004136915	A1	20040715	US 2003-671719		20030929
			WO 1997-US17899	A2	19971001
			US 2000-537118	A2	20000329
			US 2002-230085	A2	20020829
US 2005025716	A1	20050203	US 2004-928996		20040827
			WO 1997-US17899	A2	19971001
			US 2000-537118	A2	20000329
			US 2002-230085	A3	20020829
US 2006198790	A1	20060907	US 2006-429953		20060509
			WO 1997-US17899	A2	19971001
			US 2000-537118	A2	20000329
			US 2002-230085	A2	20020829
			US 2003-671717	A3	20030929

PATENT FAMILY INFORMATION:

FAN 1999:233778

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 9916417	A1	19990408	WO 1997-US17899		19971001

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,
UZ, VN, YU, ZW

RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
GN, ML, MR, NE, SN, TD, TG

CA 2306024	AA	19990408	CA 1997-2306024		19971001
			WO 1997-US17899	A	19971001
AU 9748946	A1	19990423	AU 1997-48946		19971001
			WO 1997-US17899	A	19971001
EP 1019019	A1	20000719	EP 1997-911621		19971001

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, FI

		EP 2000-109347	A3	19971001
		WO 1997-US17899	W	19971001
EP 1029536	A1	20000823	EP 2000-109347	19971001

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IE, SI, LT, LV, FI, RO

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EP 1036561	A1	20000920	EP 2000-109357	19971001

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO

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			US 2000-537118	A3	20000329
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			US 2000-537118	A2	20000329
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			US 2000-537118	A2	20000329
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			WO 1997-US17899	A2	19971001
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			WO 1997-US17899	A2	19971001
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US 2003190286	A1	20031009	US 2002-230072		20020829
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			WO 1997-US17899	A2	19971001
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			US 2000-537118	A2	20000329
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			WO 1997-US17899	A2	19971001
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				US 2000-537118	A2	20000329
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				US 2000-537118	A2	20000329
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				WO 1997-US17899	A2	19971001
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FAN 2003:319255

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	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
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				EP 1997-911621	A3	19971001
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				US 2002-230060	A	20020829
				WO 2003-US26847	W	20030827
WO 2004035021		A2	20040429	WO 2003-US26847		20030827
WO 2004035021		A3	20041111			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW						
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG						
				US 2002-230060	A	20020829
AU 2003298564		A1	20040504	AU 2003-298564		20030827
				US 2002-230060	A	20020829
				WO 2003-US26847	W	20030827
EP 1539106		A2	20050615	EP 2003-796314		20030827
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK						
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				WO 2003-US26847	W	20030827
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				US 2002-230060	A	20020829
				WO 2003-US26847	W	20030827
US 2004141923		A1	20040722	US 2003-671720		20030929
				WO 1997-US17899	A2	19971001
				US 2000-537118	A2	20000329
				US 2002-230060	A2	20020829
US 2004265239		A1	20041230	US 2003-671715		20030929
				WO 1997-US17899	A2	19971001
				US 2000-537118	A2	20000329
				US 2002-230060	A2	20020829
US 2005163719		A1	20050728	US 2003-671709		20030929
				WO 1997-US17899	A2	19971001
				US 2000-537118	A2	20000329
				US 2002-230060	A2	20020829
US 2004120895		A1	20040624	US 2003-726585		20031204
US 6977070		B2	20051220			
				WO 1997-US17899	A2	19971001
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				US 2003-671709	A3	20030929

FAN 2003:319256

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	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
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	EP 1036561	A1	20000920	EP 2000-109357		19971001
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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				US 2002-230073	A	20020829
				WO 2003-US26857	W	20030827
	US 2005180923	A1	20050818	US 2003-671708		20030929
				WO 1997-US17899	A2	19971001
				US 2000-537118	A2	20000329
				US 2002-230073	A2	20020829
	US 2005025715	A1	20050203	US 2004-928995		20040827
				WO 1997-US17899	A2	19971001

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				US 2002-230073	A3 20020829
	US 2006210484	A1	20060921	US 2006-440095	20060525
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				US 2000-537118	A2 20000329
				US 2002-230073	A2 20020829
				US 2003-671708	A3 20030929

FAN 2003:319257

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				US 2000-537118	A2 20000329
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				US 2002-230075	A 20020829
				WO 2003-US26853	W 20030827
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				WO 2003-US26853	W 20030827
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				WO 2003-US26853	W 20030827
	US 2005025713	A1	20050203	US 2004-928979	20040827
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				US 2000-537118	A2 20000329
				US 2002-230075	A3 20020829

FAN 2003:334375

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	WO 9916417	A1	19990408	WO 1997-US17899		19971001
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	EP 1029536	A1	20000823	EP 2000-109347		19971001
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				WO 2003-US26860	W	20030827
	EP 1545458	A2	20050629	EP 2003-791859		20030827
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				WO 2003-US26860	W	20030827
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				WO 2003-US26860	W	20030827
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				WO 1997-US17899	A2	19971001
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				US 2002-230080	A3	20020829

FAN 2003:396254

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PI	US 2003095925	A1	20030522	US 2002-230084		20020829
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				US 2000-537118	A2	20000329
	WO 9916417	A1	19990408	WO 1997-US17899		19971001

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RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

EP 1029536	A1	20000823	EP 2000-109347		19971001
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			EP 1997-911621	A3	19971001
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			US 2002-230084	A	20020829
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			WO 1997-US17899	A2	19971001
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			US 2002-230084	A3	20020829

FAN 2003:396256

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EP 1029536 A1 20000823 EP 2000-109347 19971001
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US 2002-230086 A 20020829
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US 2002-230086 A3 20020829

FAN 2003:777091

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EP 1029536 A1 20000823 EP 2000-109347 19971001
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FAN  2003:796097
     PATENT NO.            KIND  DATE        APPLICATION NO.          DATE
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				WO 2003-US26856	W 20030827
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				WO 2003-US26856	W 20030827
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				US 2000-537118	A2 20000329
				US 2002-230072	A3 20020829

FAN 2004:569658

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			US 2000-537118	A2 20000329
			US 2002-230059	A2 20020829
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EP 1029536		A1	20000823	EP 2000-109347	19971001

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				EP 1997-911621	A3 19971001
EP 1036561		A1	20000920	EP 2000-109357	19971001

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WO 2005032518		A1	20050414	WO 2004-US31799	20040927

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				US 2000-537118	A2 20000329
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				US 2003-671710	A3 20030929

FAN 2004:569659

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 2004136914	A1	20040715	US 2003-671717	20030929
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US 2003095926	A1	20030522		US 2002-230085	20020829
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				WO 2004-US31801	W 20040927
WO 2005032520	A1	20050414		WO 2004-US31801	20040927

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				WO 2004-US31801	W 20040927
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				US 2000-537118	A2 20000329
				US 2002-230085	A2 20020829
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FAN 2004:569660

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FAN 2004:589015

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WO 1997-US17899 A2 19971001
US 2000-537118 A2 20000329
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FAN 2005:1864

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FAN 2005:316336

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FAN 2005:823127

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US 2000-537118 A2 20000329
US 2002-230073 A2 20020829
US 2003-671708 A3 20030929

AB Buccal aerosol sprays or capsules using polar and non-polar solvent have now been developed which provide biol. active compds. for rapid absorption through the oral mucosa, resulting in fast onset of effect. The buccal polar compns. of the invention comprise formulation I: aqueous polar solvent, active compound, and optional flavoring agent; formulation II: aqueous polar solvent, active compound, optionally flavoring agent, and propellant; formulation III: non-polar solvent, active compound, and optional flavoring agent; and formulation IV: non-polar solvent, active compound, optional flavoring agent, and propellant. A lingual spray contained famotidine 7-20, water 5-10, L-aspartic acid 5-10, polyethylene glycol 50-85, and flavors 2-5%.

IT 124937-52-6, Detrol
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(buccal sprays or capsules containing drugs for treating disorders of gastrointestinal or urinary tracts)

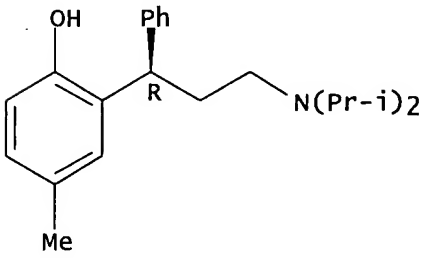
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

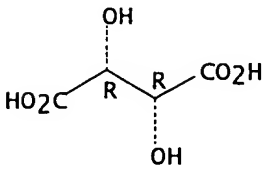
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 59 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:376645 CAPLUS
DN 138:374201
TI Compositions for treatment of postmenopausal female sexual dysfunction

IN Bilkey, Chris R.; Slatter, Greg J.; Versi, Ebrahim
PA Pharmacia Corporation, USA
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003039553	A1	20030515	WO 2002-US36167		20021112
	WO 2003039553	B1	20040708			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
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	US 2003118633	A1	20030626	US 2002-289903		20021107
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	CA 2464707	AA	20030509	CA 2002-2464707		20021112
				US 2001-344507P	P	20011109
				WO 2002-US36167	W	20021112
	US 2003130244	A1	20030710	US 2002-292742		20021112
				US 2001-344507P	P	20011109
	EP 1443939	A1	20040811	EP 2002-789581		20021112
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
				US 2001-344507P	P	20011109
				WO 2002-US36167	W	20021112
	JP 2005514345	T2	20050519	JP 2003-541844		20021112
				US 2001-344507P	P	20011109
				WO 2002-US36167	W	20021112

PATENT FAMILY INFORMATION:

FAN 2003:376618

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003039524	A1	20030515	WO 2002-SE2041		20021107
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2001-344507P	P	20011109
	CA 2466336	AA	20030515	CA 2002-2466336		20021107
				US 2001-344507P	P	20011109
				WO 2002-SE2041	W	20021107
	US 2003118633	A1	20030626	US 2002-289903		20021107
				US 2001-344507P	P	20011109
	EP 1441707	A1	20040804	EP 2002-783937		20021107
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IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

			US 2001-344507P	P	20011109
			WO 2002-SE2041	W	20021107
JP 2005512995	T2	20050512	JP 2003-541815		20021107
			US 2001-344507P	P	20011109
			WO 2002-SE2041	W	20021107
US 2003130244	A1	20030710	US 2002-292742		20021112
			US 2001-344507P	P	20011109

AB A set of pharmaceutical dosage forms is provided, each comprising at least two therapeutic agents selected from (a) an estrogen, (b) an androgen, and (c) an antimuscarinic, in total and relative dosage amts. that are therapeutically effective in treatment of female sexual dysfunction (FSD) or postmenopausal sexual avoidance (PMSA), the dosage forms being adapted for intravaginal administration. A method of treatment of FSD or PMSA comprises administering intravaginally, in a treatment regimen extending over a period of at least 7 days, dosage forms at least a portion of which comprise two or more therapeutic agents selected from (a) an estrogen, (b) an androgen, and (c) an antimuscarinic, in total and relative dosage amts. that are therapeutically effective in treatment of FSD or PMSA, wherein no more than one dosage form is administered on any day. Also provided is a kit useful in implementing such a treatment regimen. For example, a vaginal tablet was formulated containing 25 g estradiol, 1 mg methyltestosterone, and 2 mg tolterodine tartrate, useful as part of a treatment regimen for PMSA. The estradiol was delivered primarily locally for relief of vaginal dryness, soreness and/or irritation. The methyltestosterone was delivered systematically to increase libido. The tolterodine tartrate was delivered systematically to control urinary incontinence and thereby remove a source of anxiety contributing to PMSA.

IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(vaginal compns. containing androgen, estrogen, and antimuscarinic for treatment of postmenopausal sexual dysfunction)

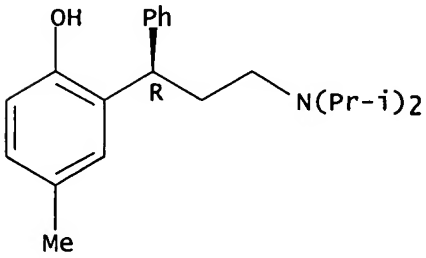
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

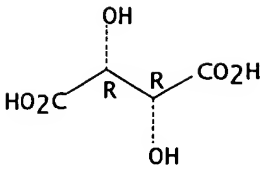
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 60 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:376565 CAPLUS
DN 138:390911
TI Antimuscarinic inhalants for treatment of urinary disorder
IN Cammarata, Sue K.; Kolbasa, Karen; Palandra, Joe; Richards, Ivan; Warchol, Mark P.
PA Pharmacia & Upjohn Company, USA
SO PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 2003039464	A2	20030515	WO 2002-US35335		20021104
WO 2003039464	A3	20040226			
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
			US 2001-337298P	P	20011105
CA 2464217	AA	20030515	CA 2002-2464217		20021104
			US 2001-337298P	P	20011105
			WO 2002-US35335	W	20021104
AU 2002342313	A1	20030519	AU 2002-342313		20021104
			US 2001-337298P	P	20011105
			WO 2002-US35335	W	20021104
US 2003144352	A1	20030731	US 2002-287061		20021104
			US 2001-337298P	P	20011105
EP 1441706	A2	20040804	EP 2002-776444		20021104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
			US 2001-337298P	P	20011105
			WO 2002-US35335	W	20021104
JP 2005511582	T2	20050428	JP 2003-541756		20021104
			US 2001-337298P	P	20011105
			WO 2002-US35335	W	20021104

AB The present invention concerns the use of antimuscarinic agents for the treatment of urinary disorders. The invention provides a method of treating urinary disorder in a mammal, including man, comprising administering to said mammal, in need of such a. treatment, a therapeutically effective amount of an antimuscarinic agent, or solvate or prodrug thereof, said administration being performed by inhalation or

insufflation. Furthermore, the present invention provides a pharmaceutical composition for treating urinary disorder in a mammal, including man, which is in the form of an inhalable or insufflable preparation and comprises a therapeutically effective amount of an antimuscarinic agent, or solvate or prodrug thereof, together with an inhalably or insufflably acceptable carrier or diluent therefor. The invention also provides a novel use of an antimuscarinic agent, or solvate or prodrug thereof, for the manufacture of an inhalable or insufflable medicament for therapeutical treatment of urinary disorders. Tolterodine L-tartrate for aerosol administration was prepared, and administered to patients with overactive bladder to examine the pharmacokinetics.

IT 124937-52-6
RL: PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antimuscarinic inhalants for treatment of urinary disorder)

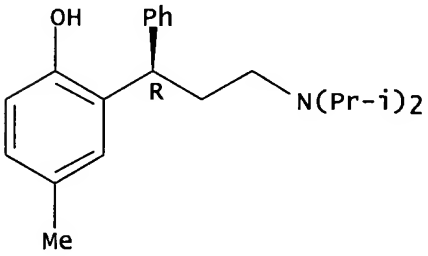
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

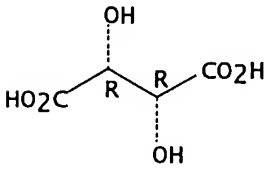
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 61 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:335062 CAPLUS
DN 138:353732
TI Quaternary ammonium compounds and their use as antimuscarinic agents
IN Richards, Ivan; Cammarata, Sue K.; Wegner, Craig D.; Hawley, Michael; Warchol, Mark P.; Kontny, Mark; Morozowich, Walter; Kolbasa, Karen P.; Moon, Malcolm W.; Bonafoux, Dominique; Wolfson, Sergey G.; Lennon, Patrick

J.
PA Pharmacia & Upjohn Company, USA
SO PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003035599	A1	20030501	WO 2002-US34529		20021025
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2001-348930P	P	20011026
				US 2002-361979P	P	20020306
				US 2002-391521P	P	20020625
	CA 2464223	AA	20030501	CA 2002-2464223		20021025
				US 2001-348930P	P	20011026
				US 2002-361979P	P	20020306
				US 2002-391521P	P	20020625
				WO 2002-US34529	W	20021025
	US 2003158176	A1	20030821	US 2002-280906		20021025
	US 6890920	B2	20050510			
				US 2001-348930P	P	20011026
				US 2002-361979P	P	20020306
				US 2002-391521P	P	20020625
	BR 2002006207	A	20031223	BR 2002-6207		20021025
				US 2001-348930P	P	20011026
				US 2002-361979P	P	20020306
				US 2002-391521P	P	20020625
				WO 2002-US34529	W	20021025
	EP 1461306	A1	20040929	EP 2002-793840		20021025
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				WO 2002-US34529	W	20021025
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				US 2002-361979P	P	20020306
				US 2002-391521P	P	20020625
				WO 2002-US34529	W	20021025
	US 2005148672	A1	20050707	US 2005-74914		20050308
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				US 2002-361979P	P	20020306
				US 2002-391521P	P	20020625
				US 2002-280906	A1	20021025

OS MARPAT 138:353732

AB Novel quaternary ammonium compds. I [R1-R3 = (un)substituted alkyl; NR1R2, NR2R3, NR1R3 = heterocyclic; R4 = H, Me,acyl, alkoxycarbonyl, (un)substituted NH2; R5-R7 = H, OMe, OH, CONH2, SO2NH2, F, Cl, Br, I, CF3, (un)substituted alkyl; X = anion of a pharmaceutically acceptable acid] were prepared for use as antimuscarinic agents. Thus, tolterodine tartrate was converted to the free base and quaternized with MeI to give (R)-5,2-Me(OH)C6H3CHPhCH2CH2N+(CHMe2)2Me I- which has high affinity, but little selectivity for M1-M5 muscarinic receptors.

IT 124937-52-6, Tolterodine tartrate
RL: RCT (Reactant); RACT (Reactant or reagent)
(prepn.of diarylpropylammonium salts as antimuscarinic agents)

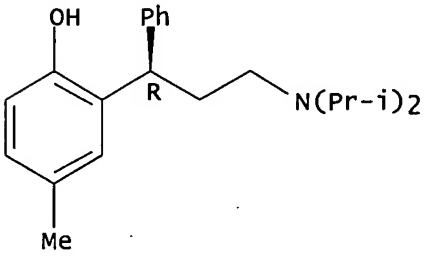
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

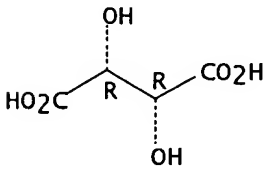
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

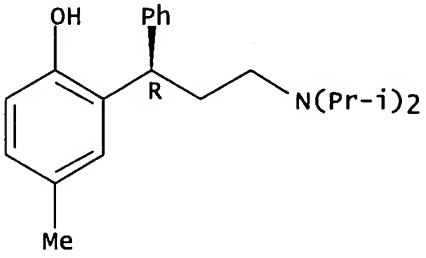
L11 ANSWER 62 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:285824 CAPLUS
DN 139:30512
TI The use of tolterodine in children after oxybutynin failure
AU Bolduc, S.; Upadhyay, J.; Payton, J.; Bagli, D. J.; McLorie, G. A.; Khoury, A. E.; Farhat, W.
CS Division of Urology, The Hospital for Sick Children, University of Toronto, Toronto, ON, Can.
SO BJU International (2003), 91(4), 398-401

CODEN: BJINFO; ISSN: 1464-4096
PB Blackwell Publishing Ltd.
DT Journal
LA English
AB This work assessed the safety and efficacy of tolterodine tartrate prescribed to children with dysfunctional urinary voiding who previously had failed to tolerate oxybutynin chloride. The 34 patients were treated with oxybutynin for a median (range) of 6 (2-84) mo. When significant side-effects were reported, they were crossed over to tolterodine. The mean age at the 1st dose of tolterodine was 8.9 yr; the dose was 1 mg twice daily for 12 patients and 2 mg twice daily for 22. The median treatment with tolterodine was 11.5 mo, with 20 (59%) patients reporting no side-effects; six described the same but tolerable side-effects as with oxybutynin. Eight patients discontinued tolterodine because of side-effects after a median (range) of 5 (1-11) months. The efficacy of tolterodine was comparable with that of oxybutynin diaries. The reduction in wetting episodes after 1 yr was >90% in 23 (68%) of the patients, more than half in five and less than half (or failure) in six patients. Tolterodine is tolerated well in children. In this subgroup of patients who could not tolerate oxybutynin, 77% were able to continue tolterodine treatment with no significant side-effects.
IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tolterodine efficacy and side effects in children with bladder dysfunction who were intolerant to oxybutynin)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

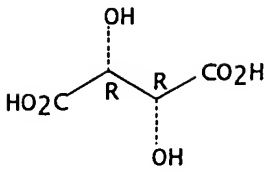
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 63 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:261600 CAPLUS
DN 138:276286
TI Pharmaceutical compositions containing muscarinic antagonists and 5α-reductase inhibitors for urinary tract disorder treatment
IN Arneric, Stephen P.; Andersson, Per-Olof
PA Pharmacia AB, Swed.
SO PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2003026564	A2	20030403	WO 2002-SE1748		20020926
	WO 2003026564	A3	20031211			
	WO 2003026564	C2	20040617			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
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				SE 2001-3858	A	20011120
	US 2003060513	A1	20030327	US 2001-965556		20010927
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				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	EP 1438035	A2	20040721	EP 2002-775633		20020926
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				US 2001-965556	A	20010927
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				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	JP 2005503424	T2	20050203	JP 2003-530203		20020926
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926

PATENT FAMILY INFORMATION:
FAN 2003:242003

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2003060513	A1	20030327	US 2001-965556		20010927
	CA 2461731	AA	20030403	CA 2002-2461731		20020926
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	WO 2003026564	A2	20030403	WO 2002-SE1748		20020926
	WO 2003026564	A3	20031211			
	WO 2003026564	C2	20040617			
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
	EP 1438035	A2	20040721	EP 2002-775633		20020926
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	BR 2002012824	A	20041013	BR 2002-12824		20020926
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	CN 1558756	A	20041229	CN 2002-818876		20020926
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
	JP 2005503424	T2	20050203	JP 2003-530203		20020926
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	US 2004116533	A1	20040617	US 2003-729764		20031205
				US 2001-965556	A1	20010927
	ZA 2004002362	A	20050120	ZA 2004-2362		20040325
				US 2001-965556	A	20010927

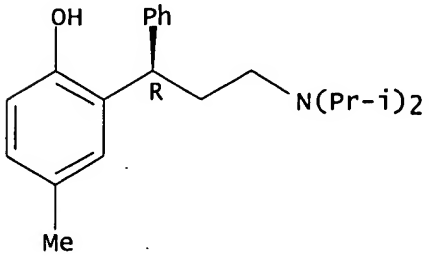
AB The present invention concerns the field of urol. The invention provides a pharmaceutical composition comprising a combination of a first compound selected from the group consisting of muscarinic receptor antagonists, 5α-reductase inhibitors, and α-adrenergic receptor antagonists, and precursors and salts, and a second compound selected from the group consisting of 5-HT1a receptor agonists and antagonists, and precursors and salts thereof, and optionally a carrier or a diluent. There is also provided a method of treatment of urinary disorders in a mammal, including humans. A pharmaceutical composition is prepared by combining tolterodine with a neutral 5-HT1a receptor antagonist in a carrier. The composition contains 0.05-4 mg tolterodine/kg patient body weight (e.g., 3-240 mg tolterodine for a person weighing 60 kg) and 0.01-1 mg of neutral 5-HT1a receptor antagonist/kg of patient body weight The composition is administered to a patient for the treatment of incontinence, and particularly stress incontinence, urge incontinence or mixed incontinence.

IT 124937-52-6
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical compns. containing muscarinic antagonists and 5α-reductase inhibitors for urinary tract disorder treatment)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

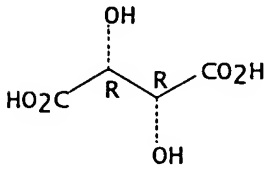
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 64 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:19961 CAPLUS
DN 138:78464
TI Pharmaceutical preparations based on active ingredients susceptible to illicit administration
IN Garavani, Alberto; Marchiorri, Maurizio; Di Martino, Alessandro
PA Altergon S.A., Switz.
SO Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1273301	A2	20030108	EP 2002-15073	20020705
	EP 1273301	A3	20030409		
	EP 1273301	B1	20060906		

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK

			IT 2001-MI1446	A	20010706
AT 338567	E	20060915	AT 2002-15073		20020705
			IT 2001-MI1446	A	20010706

AB Disclosed are pharmaceutical formulations for oral administration, preferably in the form of a soft capsule enclosing an active principle susceptible to illicit administration and at least one pharmaceutically acceptable organoleptic marker which is particularly evident for its odor, taste or color or for its scarce miscibility with food. The active principle is selected from the group consisting of a substance acting on the central nervous system and/or as a narcotic and of a substance with anabolizing activity or the like. The organoleptic marker is independently selected out of one or more substances belonging to the group consisting of flavoring agents, flavoring agents, coloring agents, odorants, and oils.

IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical prepns. based on active ingredients susceptible to illicit administration containing organoleptic markers)

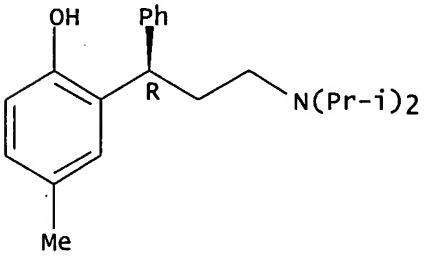
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

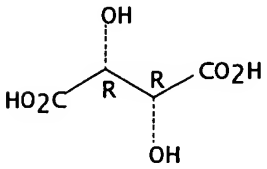
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 65 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:945736 CAPLUS
DN 139:159672

TI Therapeutic Efficacy Of Extended Release Oxybutynin Chloride, And Immediate Release And Long Acting Tolterodine Tartrate In Children With Diurnal Urinary Incontinence

AU Reinberg, Y.; Crocker, J.; Wolpert, J.; Vandersteen, D.
CS The Center for Pediatric Urology, Pediatric Surgical Associates, Minneapolis, MN, 55404, USA

SO Journal of Urology (Hagerstown, MD, United States) (2002), Volume Date 2003, 169(1), 317-319
CODEN: JOURAA; ISSN: 0022-5347
PB Lippincott Williams & Wilkins
DT Journal
LA English

AB We compare the tolerability and efficacy of extended release oxybutynin chloride, and immediate release and long acting tolterodine tartrate in children with non-neurogenic diurnal urinary incontinence and symptoms of overactive bladder. Children with a history of diurnal urinary incontinence were arbitrarily assigned to extended release oxybutynin, immediate release tolterodine or long acting tolterodine. The dose was titrated until effective (onset of complete diurnal urinary continence), maximal recommended dosage was achieved or bothersome anticholinergic side effects developed. An independent observer recorded the dose used, anticholingeric side effects and efficacy of therapy (incidence of urinary frequency, urgency, posturing and urinary incontinence). The study included 86 girls and 46 boys. There were no statistically significant differences among the 3 treatment groups regarding the presence of peripheral or central nervous system anticholinergic side effects. Extended release oxybutynin and long acting tolterodine were significantly more effective at reducing daytime urinary incontinence than immediate release tolterodine ($p < 0.01$ and $p < 0.05$, resp.). Extended release oxybutynin was significantly more effective then long acting tolterodine for complete resolution of diurnal incontinence ($p < 0.05$). Thus, extended release oxybutynin and long acting tolterodine are more effective than immediate release tolterodine in decreasing diurnal urinary incontinence. Extended release oxybutynin chloride is more effective than either immediate or long acting tolterodine for control of daytime urinary incontinence and urinary frequency.

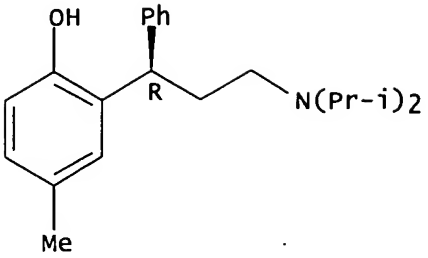
IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(therapeutic efficacy of extended release oxybutynin chloride, and immediate release and long acting tolterodine tartrate in children with diurnal urinary incontinence)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

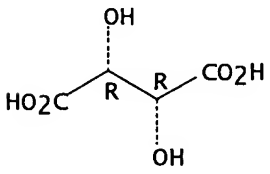
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 66 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:849709 CAPLUS
DN 137:353828
TI Poly(alkylene oxide) having reduced formic compound content for release dosage form
IN Fan, You-Ling
PA Union Carbide Chemicals & Plastics Technology Corporation, USA
SO PCT Int. Appl., 25 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002088217	A1	20021107	WO 2002-US13444	20020429
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
			US 2001-287885P	P 20010501
EP 1385898	A1	20040204	EP 2002-734076	20020429
EP 1385898	B1	20060531		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
			US 2001-287885P	P 20010501
			WO 2002-US13444	W 20020429

JP 2004530748	T2	20041007	JP 2002-585514	20020429
			US 2001-287885P	P 20010501
			WO 2002-US13444	W 20020429
AT 328028	E	20060615	AT 2002-734076	20020429
			US 2001-287885P	P 20010501

AB Title particle comprises (i) a polymer polymerized from an alkylene oxide monomer having weight average weight 100,000-1,000,000 g/g mol and (ii) 0-200 ppm (based on total weight of the particle) formic compound, such as formic acid and its salts and esters, wherein the particle has a core and an shell with concentration gradient of the formic compound (the core contains higher formic compound content than shell). The method for reducing formic compound on surface of the polyoxyalkylene particle comprises treating the particle with an acid having pKa lower than the pKa of formic acid. Thus, a slurry containing 70 parts Polyox WSR N 80NF (polyethylene oxide) with inorg. formate level >500 ppm was mixed with 20 mL hydrochloric acid (37%) and 480 mL iso-Pr alc. at room temperature for 60 min and washed to give a polymer with inorg. formate content <150 ppm.

IT 124937-52-6, Tolterodine tartrate
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(poly(alkylene oxide) having reduced formic compound content obtained by treating with acid for release dosage form)

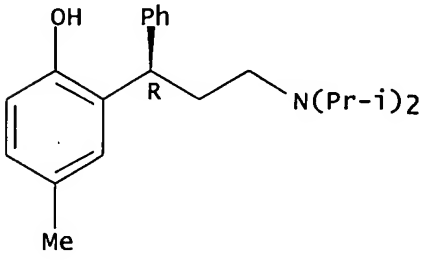
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

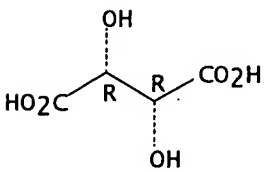
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



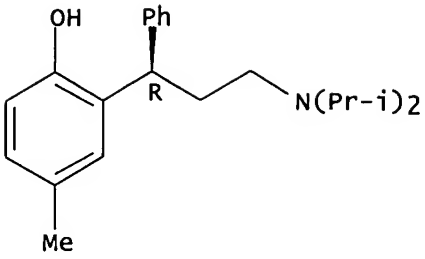
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 67 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:728118 CAPLUS
DN 137:257572
TI Treatment of overactive bladder with once-daily extended-release tolterodine or oxybutynin: the antimuscarinic clinical effectiveness trial (ACET)
AU Sussman, David; Garely, Alan
CS Department of Surgery, Division of Urology, University of Medicine and Dentistry of New Jersey, Stratford, NJ, 08084, USA
SO Current Medical Research and Opinion (2002), 18(4), 177-184
CODEN: CMROCX; ISSN: 0300-7995
PB LibraPharm Ltd.
DT Journal
LA English
AB Treatment with the antimuscarinic agents tolterodine and oxybutynin is the mainstay of therapy for overactive bladder, a chronic and debilitating condition characterized by urinary urgency with or without urge incontinence, usually in combination with urinary frequency and nocturia. This study consisted of two trials; in one, patients with overactive bladder were randomized to 8 wk of open-label treatment with either 2 mg or 4 mg of once-daily extended-release tolterodine (TER), and in the other to 5 mg or 10 mg of extended-release oxybutynin (OER). The study protocol and design were identical for the two trials and site selection ensured that there was no bias in either trial for the tendency of investigators to prescribe one drug rather than the other, or for geog. location. A total of 1289 patients were enrolled, 669 in the tolterodine trial (TER 2 mg, n = 333; TER 4 mg, n = 336) and 620 in the oxybutynin trial (OER 5 mg, n = 313; OER 10 mg, n = 307). Fewer patients prematurely withdrew from the trial in the TER 4 mg group (12%) than either the OER 5 mg (19%; p = 0.01) or OER 10 mg groups (21%; p = 0.002). More patients in the OER 10 mg group than the TER 4 mg group withdrew because of poor tolerability (13% vs. 6%; p = 0.001). After 8 wk, 70% of patients in the TER 4 mg group perceived an improved bladder condition, compared with 60% in the TER 2 mg group, 59% in the OER 5 mg group and 60% in the OER 10 mg group (all p < 0.01 vs TER 4 mg). Response to therapy was greater in a subgroup of patients whose perception of bladder condition was moderate to severe at baseline (TER 4 mg 77% vs OER 10 mg 65%; p < 0.01). Dry mouth was dose-dependent with both agents, although differences between doses only reached statistical significance in the oxybutynin trial (OER 5 mg vs OER 10 mg; p = 0.05). Patients treated with TER 4 mg reported a significantly lower severity of dry mouth compared with OER 10 mg. In conclusion, the greater efficacy and tolerability of tolterodine ER 4 mg suggests improved clin. effectiveness compared with oxybutynin ER 10 mg.
IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(tolterodine or oxybutynin once-daily extended-release in treatment of overactive bladder)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

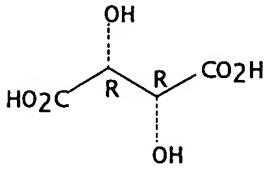
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



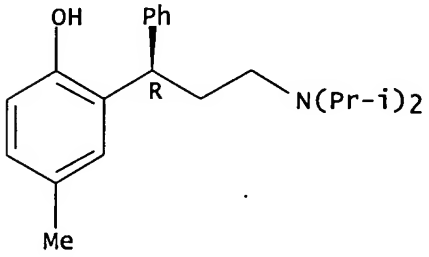
RE.CNT 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 68 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:609156 CAPLUS
DN 138:254881
TI Synthetic study on M-receptor antagonist tolterodine tartrate
AU Zhou, Xinbo; Gao, Wenfang; Zheng, Hong; Zhang, Yinghua
CS School of Pharmaceutical Engineering, Shenyang Pharmaceutical University, Shenyang, 110016, Peop. Rep. China
SO Zhongguo Yaowu Huaxue Zazhi (2002), 12(2), 107-109
CODEN: ZYHZEF; ISSN: 1005-0108
PB Zhongguo Yaowu Huaxue Zazhi Bianjibu
DT Journal
LA Chinese
OS CASREACT 138:254881
AB Tolterodine was synthesized through cyclization, methylation, chlorination, amidation, reduction, demethylation, and separation from the starting material cinnamic acid and p-cresol with an overall yield 14.4%. Two improved methods were presented for the preparation of the two key intermediates, 6-methyl-4-phenyl-3,4-dihydrocoumarin and N,N-diisopropyl-3-(2-methoxy-5-methylphenyl)-3-phenylpropionamine HCl (8).
IT 124937-52-6P, Detrol
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(synthesis of tolterodine tartrate as M-receptor antagonist)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

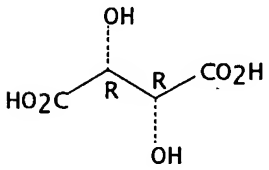
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L11 ANSWER 69 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:556104 CAPLUS
DN 137:109489
TI Compositions comprising a polypeptide and an active agent
IN Piccariello, Thomas; Olon, Lawrence P.; Kirk, Randal J.
PA USA
SO U.S. Pat. Appl. Publ., 34 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 20

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2002099013	A1	20020725	US 2001-933708		20010822
				US 2000-247556P	P	20001114
				US 2000-247558P	P	20001114
				US 2000-247559P	P	20001114
				US 2000-247560P	P	20001114
				US 2000-247561P	P	20001114
				US 2000-247594P	P	20001114
				US 2000-247595P	P	20001114
				US 2000-247606P	P	20001114
				US 2000-247607P	P	20001114
				US 2000-247608P	P	20001114
				US 2000-247609P	P	20001114
				US 2000-247610P	P	20001114
				US 2000-247611P	P	20001114
				US 2000-247612P	P	20001114

			US 2000-247620P	P	20001114
			US 2000-247621P	P	20001114
			US 2000-247634P	P	20001114
			US 2000-247635P	P	20001114
			US 2000-247698P	P	20001114
			US 2000-247699P	P	20001114
			US 2000-247700P	P	20001114
			US 2000-247701P	P	20001114
			US 2000-247702P	P	20001114
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			US 2000-247798P	P	20001114
			US 2000-247799P	P	20001114
			US 2000-247800P	P	20001114
			US 2000-247801P	P	20001114
			US 2000-247802P	P	20001114
			US 2000-247803P	P	20001114
			US 2000-247804P	P	20001114
			US 2000-247805P	P	20001114
			US 2000-247807P	P	20001114
			US 2000-247832P	P	20001114
			US 2000-247833P	P	20001114
			US 2000-247926P	P	20001114
			US 2000-247927P	P	20001114
			US 2000-247928P	P	20001114
			US 2000-247929P	P	20001114
			US 2000-247930P	P	20001114
US 2004087483	A1	20040506	US 2002-136433		20020502
			US 2000-642820	A2	20000822
			US 2000-248607P	P	20001116
			US 2001-933708	A2	20010822
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			US 2001-988071	B2 20011116
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			WO 2003-US5525	A2 20030224
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			US 2004-953111	A2 20040930
			US 2004-953116	A2 20040930
			US 2004-953119	A2 20040930
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			WO 2004-US32131	A2 20040930

PATENT FAMILY INFORMATION:

FAN 2000:628201

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PI	WO 2000052078	A1	20000908	WO 2000-US5693	20000306
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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	US 2002128177	A1	20020912	US 2001-986426	20011108
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				US 1999-411238	B2	19991004
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				US 1999-411238	B2	19991004
				WO 2000-US5693	A	20000306
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FAN 2000:645894

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PI	WO 2000053233	A1	20000914	WO 2000-US3717	20000310

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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,

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				US 1999-411238	A 19991004
				WO 2000-US3717	W 20000310

FAN 2002:332011

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PI WO 2002034237	A1	20020502	WO 2001-US26142	20010822

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				US 2000-247615P	P 20001114
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CA 2420590		AA	20020502	CA 2001-2420590	20010822
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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

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FAN 2002:504641

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				WO 2001-US43117	B2 20011116
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FAN 2002:696639

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002128177	A1	20020912	US 2001-986426	20011108
	US 7018654	B2	20060328		
				US 1999-123146P	P 19990305
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				US 1999-411238	B2 19991004
				WO 2000-US5693	W 20000306
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	WO 2000052078	A1	20000908	WO 2000-US5693	20000306
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
	RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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FAN 2003:202410

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PI	WO 2003020200	A2	20030313	WO 2001-US43117	20011116
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FAN 2003:334829

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	US 7060708	B2	20060613		
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				WO 2000-US5693	A 20000306
				US 2000-642820	A2 20000822
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FAN 2003:696688

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				US 2004-953119	A2	20040930
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FAN 2003:696689

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FAN 2003:777522

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FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,

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AB Claimed are compns. comprising a polypeptide and an active agent covalently attached to the polypeptide and a method for delivery of an active agent to a patient by administering the composition to the patient. The peptide is a homopolymer of a naturally occurring amino acid or a heteropolymer of two or more naturally occurring amino acids. In an example, (Glu)n-cephalexin was prepared from Glu(OBut)NCA and cephalexin hydrochloride.

IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compns. comprising a polypeptide and an active agent)

RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

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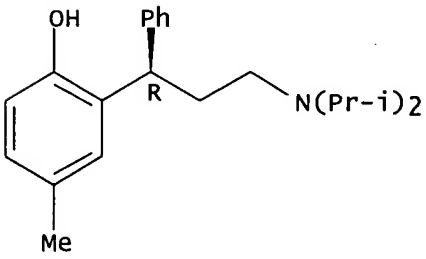
CRN 124937-51-5
CMF C22 H31 N O

Absolute stereochemistry. Rotation (+).



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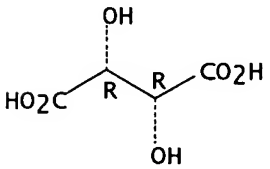

L11 ANSWER 70 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:332011 CAPLUS

DN 136:355482
TI Compositions comprising a polypeptide and an active agent
IN Piccariello, Thomas; Olon, Lawrence P.; Kirk, Randall J.
PA New River Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 98 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 20

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PATENT FAMILY INFORMATION:

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FAN 2002:696639

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SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
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FAN 2003:202410

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PI	WO 2003020200	A2	20030313	WO 2001-US43117	20011116
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FAN 2003:334829

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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
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FAN 2003:696688

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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			US 2002-358368P	P 20020222
			US 2002-362082P	P 20020307
			WO 2003-US5525	W 20030224
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			US 2002-358368P	P 20020222
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			US 2004-567801P	P 20040505
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FAN 2003:696689

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				US 2001-988034	B2	20011116
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				WO 2003-US5526	W	20030224

FAN 2003:777522

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PI	WO 2003079972	A2	20031002	WO 2003-US5524		20030224
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT,
TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
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FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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FAN 2004:372841

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PI	US 2004087483	A1	20040506	US 2002-136433	20020502
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	US 6716452	B1	20040406	US 2000-642820	20000822
	US 2002099013	A1	20020725	US 2001-933708	20010822
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FAN 2005:14241

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PI WO 2005000334	A1	20050106	WO 2004-US17204	20040601

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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
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				US 2004-567801P	P 20040505
				WO 2004-US17204	W 20040601
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				US 2003-473929P	P 20030529
				US 2004-567801P	P 20040505
				WO 2004-US17204	W 20040601
CN	1816346	A	20060809	CN 2004-80019089	20040601
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				WO 2004-US17204	W 20040601
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FAN 2005:220111

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PI	US 2005054561	A1	20050310	US 2004-858526		20040601
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				US 2002-358368P	P	20020222
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				WO 2003-US5525	A2	20030224
				US 2003-473929P	P	20030529
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	WO 2003072046	A2	20030904	WO 2003-US5525		20030224
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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FAN 2005:316314

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PI	WO 2005032474	A2	20050414	WO 2004-US32131		20040930
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RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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				US 2004-567802P	P	20040505
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				US 2002-366258P	P	20020322
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				US 2004-953111	A2	20040930
				US 2004-953116	A2	20040930
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FAN 2005:325685

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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FAN 2005:735301

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				US 2004-568011P	P 20040505
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				US 2004-953116	A2 20040930
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FAN 2006:57009

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US 2000-248769P P 20001116
US 2000-248770P P 20001116
US 2000-248771P P 20001116
US 2000-248772P P 20001116
US 2000-248774P P 20001116
US 2000-248776P P 20001116
US 2000-248777P P 20001116
US 2000-248778P P 20001116
US 2000-248779P P 20001116
US 2000-248782P P 20001116
US 2000-248787P P 20001116
US 2000-248794P P 20001116
US 2000-248795P P 20001116
US 2000-248796P P 20001116
US 2000-248797P P 20001116
US 2001-933708 A2 20010822
US 2001-986426 A2 20011108
US 2001-987458 B2 20011114
WO 2001-US43089 B2 20011114
US 2001-988034 B2 20011116
US 2001-988071 B2 20011116
WO 2001-US43115 B2 20011116
WO 2001-US43117 B2 20011116
US 2002-358381P P 20020222
US 2002-366258P P 20020322
WO 2003072046 A2 20030904 WO 2003-US5525 20030224
WO 2003072046 A3 20050310
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2002-358368P P 20020222
US 2002-362082P P 20020307
US 2005080012 A1 20050414 US 2004-923257 20040823
US 2002-358368P P 20020222
US 2002-362082P P 20020307
WO 2003-US5525 A2 20030224
WO 2005032474 A2 20050414 WO 2004-US32131 20040930
WO 2005032474 A3 20060921
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,
SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

			US 2003-507012P	P	20030930
			US 2004-567800P	P	20040505
			US 2004-567802P	P	20040505
			US 2004-568011P	P	20040505
US 2005176645	A1	20050811	US 2004-953116		20040930
			US 2002-358368P	P	20020222
			US 2002-362082P	P	20020307
			WO 2003-US5525	A2	20030224
			US 2003-507012P	P	20030930
			US 2004-567800P	P	20040505
			US 2004-568011P	P	20040505
			US 2004-927257	A2	20040827
US 2005176646	A1	20050811	US 2004-953119		20040930
			US 2003-507012P	P	20030930
			US 2004-567800P	P	20040505
			US 2004-567802P	P	20040505
			US 2004-568011P	P	20040505
US 2005176644	A1	20050811	US 2004-955006		20040930
			US 2003-507012P	P	20030930
			US 2004-567800P	P	20040505
			US 2004-567802P	P	20040505
US 2005266070	A1	20051201	US 2004-953110		20040930
			US 2003-507012P	P	20030930
			US 2004-567800P	P	20040505
			US 2004-568011P	P	20040505

AB Claimed are compns. comprising a polypeptide and an active agent covalently attached to the polypeptide and a method for delivery of an active agent to a patient by administering the composition to the patient. The peptide is a homopolymer of a naturally occurring amino acid or a heteropolymer of two or more naturally occurring amino acids. In an example, (Glu)n-cephalexin was prepared from Glu(OBut)NCA and cephalexin hydrochloride.

IT 124937-52-6, Tolterodine tartrate
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(compns. comprising a polypeptide and an active agent)

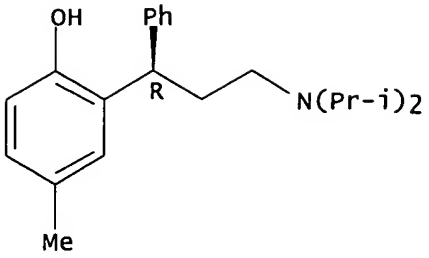
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

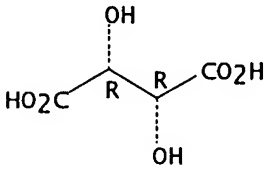
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 71 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2002:314176 CAPLUS
DN 137:41178
TI Once-daily, extended-release formulations of antimuscarinic agents in the treatment of overactive bladder: a review
AU Rovner, Eric S.; Wein, Alan J.
CS Division of Urology, University of Pennsylvania School of Medicine, Philadelphia, PA, 19104, USA
SO European Urology (2002), 41(1), 6-14
CODEN: EUURAV; ISSN: 0302-2838
PB Elsevier Science B.V.
DT Journal; General Review
LA English
AB A review. Overactive bladder (OAB) is a chronic condition that often requires long-term treatment to maintain control of symptoms. A range of therapeutic options are available; however, antimuscarinic agents form the mainstay of treatment. Of these agents, tolterodine and oxybutynin are the most widely used. It is well documented that the immediate-release (IR) formulations of these agents have equivalent efficacy in relieving OAB symptoms. However, tolterodine demonstrates a more favorable tolerability profile, particularly in terms of the frequency and severity of dry mouth. Due to the development of novel drug delivery systems, extended-release (ER) formulations of both oxybutynin and tolterodine are now available, permitting once-daily dosing. The convenience of once-daily dosing of antimuscarinic agents would be expected to improve patient compliance and further relieve the symptoms of OAB. Clin. studies with the ER formulations of tolterodine and oxybutynin demonstrate potential clin. advantages over their resp. IR forms in terms of either efficacy or tolerability or both, although the therapeutic index of tolterodine ER appears to show a greater advantage over its IR counterpart compared with oxybutynin ER and its IR form. Importantly, the two ER agents have not

been compared directly in a head-to-head clin. study. Overall, available clin. data suggest that the newly developed ER formulation of tolterodine represents a significant therapeutic advancement in the treatment of OAB.

IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Detrol; once-daily, extended-release formulations of antimuscarinic agents in treatment of overactive bladder in women)

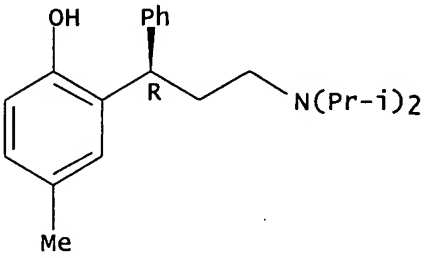
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

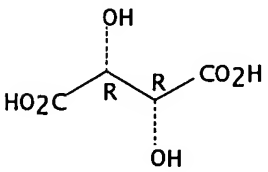
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 72 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:844452 CAPLUS
DN 136:299846
TI Determination of levo-enantiomer in tolterodine tartrate by HPCE
AU Huang, Zongyu; Du, Jiaqiu; Cai, Wen
CS Zhejiang Institute for Drug Control, Hangzhou, 310004, Peop. Rep. China
SO Yaowu Fenxi Zazhi (2001), 21(5), 351-354
CODEN: YFZADL; ISSN: 0254-1793
PB Yaowu Fenxi Zazhi Bianji Weiyuanhui
DT Journal
LA Chinese
AB A high performance capillary electrophoresis (HPCE) method for determination of

the levo-enantiomer of tolterodine tartrate was established. Both complexation and resolution were affected by the cyclodextrin (CD) type, CD concentration and the pH of electrolyte. The influence of working voltage and capillary temperature on the enantiomer separation was also analyzed. Electrophoretic medium was 0.1 mol L-1 trihydroxymethylaminomethane buffer (adjust pH to 3.0 with H3PO4) containing 20 mmol L-1 hydroxypropyl-β-cyclodextrin. An uncoated capillary was 57 cm x 50 μm (50 cm to the detector). Detection was carried out with a UV detector at 204 nm. The separation was performed at 15° with a pos. voltage of 20 kV. Samples were injected into the capillary by pressure for 3 s. The enantiomers of tolterodine tartrate was separated well. The linear concentration region was 0.001-1.5 mg mL-1. The RSD for migratory time and peak response were < 4.1% and 4.9% resp. The recovery for levo-enantiomer was 102.1% (n=6). The lowest detective concentration was 0.5 μg mL-1 for each enantiomer. This method was suitable for check levo-enantiomer in tolterodine tartrate in laboratory

IT 124937-52-6, Tolterodine tartrate
RL: ANT (Analyte); ANST (Analytical study)
(determination of tolterodine tartrate by high performance capillary electrophoresis)

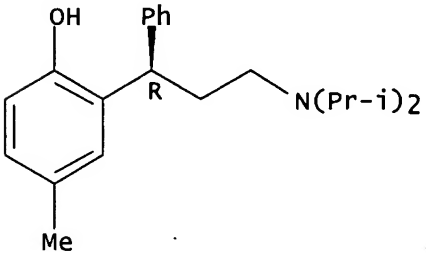
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

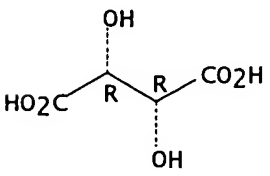
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



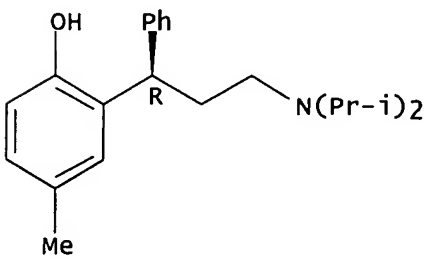
L11 ANSWER 73 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:835896 CAPLUS

DN 136:128468
TI Evidence for the efficacy and safety of tolterodine in the treatment of overactive bladder
AU Abrams, Paul
CS Bristol Urological Institute, Southmead Hospital, Bristol, BS10 5NB, UK
SO Expert Opinion on Pharmacotherapy (2001), 2(10), 1685-1701
CODEN: EOPHF7; ISSN: 1465-6566
PB Ashley Publications Ltd.
DT Journal; General Review
LA English
AB A review. Overactive bladder (OAB) is a chronic and prevalent condition, the symptoms of which (urinary frequency and urgency, with or without urge incontinence) can exert a profound neg. effect on a person's daily life activities. Tolterodine (Detrol in North America and Detrusitol in the rest of the world, Pharmacia), a competitive muscarinic antagonist, is the first agent of this class to be specifically developed for the treatment of OAB. This agent displays in vivo functional selectivity for the bladder over other tissues that contain muscarinic receptors (e.g., salivary glands, eye), which translates into good efficacy and tolerability in patients with OAB (including the elderly). Comparative, randomized, double-blind studies show that tolterodine (administered as immediate-release [IR] tablets 2 mg b.i.d.) is as effective as oxybutynin (5 mg t.i.d.) in improving all of the troublesome symptoms of OAB but with a significantly lower incidence and severity of dry mouth. The advent of a new extended-release (ER) capsule formulation of tolterodine (4 mg) for convenient once-daily treatment builds upon these findings, with significantly improved efficacy for reducing urge incontinence episodes and a lower frequency of dry mouth relative to the existing IR tablet (2 mg b.i.d.). Tolterodine can therefore be considered a valuable, well-tolerated treatment option for patients with OAB, providing improvements in symptoms that are both clin. meaningful to patients and sustained during long-term treatment.
IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); PKT (Pharmacokinetics); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(Detrol; efficacy and safety of tolterodine in treatment of overactive bladder in humans)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

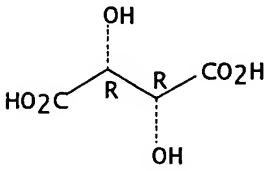
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 74 THERE ARE 74 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 74 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:460854 CAPLUS
DN 136:194075
TI A comparison of the effects on saliva output of oxybutynin chloride and tolterodine tartrate
AU Chancellor, Michael B.; Appell, Rodney A.; Sathyan, Gayatri; Gupta, Suneel K.
CS Department of Urology, University of Pittsburgh School of Medicine, Pittsburgh, PA, USA
SO Clinical Therapeutics (2001), 23(5), 753-760
CODEN: CLTHDG; ISSN: 0149-2918
PB Excerpta Medica, Inc.
DT Journal
LA English
AB Oxybutynin chloride and tolterodine tartrate are anticholinergic agents used to suppress involuntary bladder contractions in urinary incontinence. They act by inhibiting binding of acetylcholine to the muscarinic receptors in the detrusor muscle of the bladder. The same types of muscarinic receptors are found in the salivary glands; thus anticholinergic agents may decrease saliva production and cause dry mouth, a commonly cited reason for discontinuation of therapy. The primary objective of this study was to compare saliva output, which is an objective measure of dry mouth, in subjects taking immediate- or extended-release oxybutynin, tolterodine, or placebo. This was a single-site, single-dose, randomized, double-blind, 4-treatment, 4-period crossover study. Subjects were randomly assigned to 1 of 4 treatment sequences that included extended-release oxybutynin 10 mg, tolterodine 2 mg, immediate-release oxybutynin 5 mg, and placebo. Saliva output was measured objectively before dosing with each treatment and at 0.5, 1, 2, 3, 4, 6, 8, 10, and 12 h after dosing. Thirty-six healthy adult volunteers (22 women and 14 men) participated in the study. They ranged in age from 19 to 42 yr (mean, 27 yr). Thirty-one were white, 3 Asian, and 2 black. There were no significant differences in predose saliva output between the 4 study groups. With placebo, saliva output increased throughout the day. Saliva output was maintained at predose levels throughout the day with extended-release oxybutynin. Two hours after dosing with tolterodine and immediate-release oxybutynin, saliva output decreased nearly 0.5 g in specimens collected over 2 min. All 3 active treatments were associated with lower saliva output compared with placebo. Extended-release oxybutynin and tolterodine were similar with respect to area under the saliva concentration-time curve but were associated with significantly greater saliva output than. Was immediate-release oxybutynin ($P < 0.01$). There were no serious adverse events (AEs) in this

study. AEs were similar between treatments, although the incidence of headache was higher in the active-treatment groups than with placebo. Objective assessment of saliva output in healthy adult volunteers indicated that extended-release oxybutynin and tolterodine had less impact on saliva output than did conventional immediate-release oxybutynin, suggesting that they may yield lower levels of dry mouth.

IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); PAC (Pharmacological activity); BIOL (Biological study)
(a comparison of the effects on saliva output of oxybutynin chloride and tolterodine tartrate)

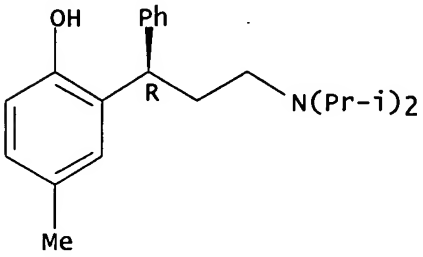
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

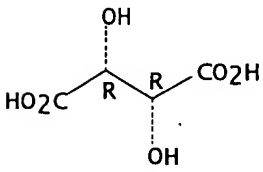
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 75 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2001:295441 CAPLUS

DN 135:205235

TI Prospective randomized controlled trial of extended-release oxybutynin chloride and tolterodine tartrate in the treatment of overactive bladder: results of the OBJECT study

AU Appell, Rodney A.; Sand, Peter; Dmochowski, Roger; Anderson, Rodney; Zinner, Norman; Lama, Daniel; Roach, Martha; Miklos, John; Saltzstein, Daniel; Boone, Timothy; Staskin, David R.; Albrecht, Detlef; Anderson,

Rodney; Antoci, Joseph; Appell, Rodney A.; Berger, Yitzhak; Bishop, Jay R., Jr.; Brown, Rodney; Childs, Stacy; Das, Anurag A.; Dennis, Rodney; Dmochowski, Roger; Dula, Eugene; Nuys, Van; Garely, Alan D.; Gittelman, Marc; Gottesman, James E.; Graham, Chester F.; Hagood, Paul G.; Harris, Richard; Karram, Mickey; Lama, Daniel J.; McMurray, James G.; Miklos, John; Munoz, David R.; Nehra, Ajay; Peters, Kenneth M.; Ritter, Henry; Roach, Martha; Saltzstein, Daniel; Sand, Peter; Sieber, Paul; Snyder, Jeffery; Spellberg, David; Tuttle, John; Staskin, David R.; Wainstein, Mark A.; White, Charles; Zinner, Norm

CS Cleveland Clinic Foundation, Cleveland, OH, USA

SO Mayo Clinic Proceedings (2001), 76(4), 358-363
CODEN: MACPAJ; ISSN: 0025-6196

PB Dowden Health Media, Inc.

DT Journal

LA English

AB Objective: To compare the efficacy and tolerability of extended-release oxybutynin chloride and tolterodine tartrate at 12 wk in participants with overactive bladder. Subjects and Methods: The OBJECT (Overactive Bladder: Judging Effective Control and Treatment) study was a prospective, randomized, double-blind, parallel-group study conducted between Mar. and Oct. 2000 at 37 US study sites. Participants who had between 7 and 50 episodes of urge incontinence per wk and 10 or more voids in 24 h received extended-release oxybutynin, 10 mg/d, or tolterodine, 2 mg twice daily. The outcome measures were the number of episodes of urge incontinence, total incontinence, and micturition frequency at 12 wk adjusted for baseline. Results: A total of 315 women and 63 men were randomized and treated, and 332 participants (276 women, 56 men) completed the study. At the end of the study, extended-release oxybutynin was significantly more effective than tolterodine in each of the main outcome measures: weekly urge incontinence (P=.03), total incontinence (P=.02), and micturition frequency episodes (P=.02) adjusted for baseline. Both drugs improved symptoms of overactive bladder significantly from baseline to the end of the study as assessed by the 3 main outcome measures (P<.001). Dry mouth, the most common adverse event, was reported by 28.1% and 33.2% of participants taking extended-release oxybutynin and tolterodine, resp. (P=.32). Rates of central nervous system and other adverse events were low and similar in both groups. Conclusions: Extended-release oxybutynin was more effective than tolterodine as measured by end-of-study urge incontinence, total incontinence, and micturition frequency episodes. Both groups had similar rates of dry mouth and other adverse events.

IT 124937-52-6, Tolterodine tartrate
RL: ADV (Adverse effect, including toxicity); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(oxybutynin chloride and tolterodine tartrate prospective randomized controlled trial in treatment of overactive bladder in humans)

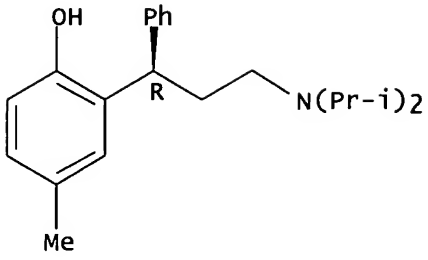
RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

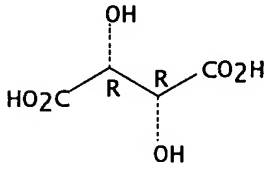
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 76 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:335217 CAPLUS
DN 132:339373
TI New controlled release bead, a method of producing the same and multiple unit formulation comprising it
IN Gren, Torkel; Ringberg, Anders; Wikberg, Martin; Wald, Randy J.
PA Pharmacia & Upjohn AB, Swed.
SO PCT Int. Appl., 26 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2000027364	A1	20000518	WO 1999-SE2052	19991111
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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			WO 1999-SE1463	W 19990826
WO 2000012069	A1	20000309	WO 1999-SE1463	19990826
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RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

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			SE 1998-3871	A	19981111
CA 2350061	AA	20000518	CA 1999-2350061		19991111
CA 2350061	C	20050517			
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
AU 2000014366	A5	20000529	AU 2000-14366		19991111
AU 762410	B2	20030626			
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
BR 9915142	A	20010807	BR 1999-15142		19991111
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
EP 1128819	A1	20010905	EP 1999-971702		19991111
EP 1128819	B1	20030820			

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			WO 1999-SE1463	W	19990826
			WO 1999-SE2052	W	19991111
EE 200100254	A	20021216	EE 2001-254		19991111
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
JP 2003517446	T2	20030527	JP 2000-580595		19991111
JP 3616011	B2	20050202			
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
NZ 511430	A	20030530	NZ 1999-511430		19991111
			SE 1998-3871	A	19981111
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			SE 1998-3871	A	19981111
			WO 1999-SE1463	W	19990826
			WO 1999-SE2052	W	19991111
US 6911217	B1	20050628	US 2001-763281		19991111
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	W	19991111
SK 284758	B6	20051103	SK 2001-625		19991111
			SE 1998-3871	A	19981111
			WO 1999-SE1463	A	19990826
			WO 1999-SE2052	A	19991111
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			SE 1998-3871	A	19981111
CA 2387973	AA	20010517	CA 2000-2387973		20001024
			WO 1999-SE2052	A	19991111
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			WO 2000-SE2061	W	20001024
WO 2001034139	A1	20010517	WO 2000-SE2061		20001024

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MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,
CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

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				SE 2000-782	A	20000309
AU 2001013192	A5	20010606		AU 2001-13192		20001024
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				WO 1999-SE2052	A	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				WO 1999-SE2052	A	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
EP 1227806	A1	20020807		EP 2000-975092		20001024
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IE, SI, LT, LV, FI, RO, MK, CY, AL

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				WO 2000-SE2061	W	20001024
HU 200203028	A2	20030228		HU 2002-3028		20001024
				WO 1999-SE2052	W	19991111
				SE 2000-782	A	20000309
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JP 2003513918	T2	20030415		JP 2001-536139		20001024
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				SE 2000-782	A	20000309
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				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
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				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
PT 1227806	T	20051031		PT 2000-975092		20001024
				WO 1999-SE2052	W	19991111
				SE 2000-782	A	20000309
ES 2245320	T3	20060101		ES 2000-975092		20001024
				WO 1999-SE2052	A	19991111
				SE 2000-782	A	20000309
US 6630162	B1	20031007		US 2000-708428		20001109
				WO 1999-SE2052	A2	19991111
				SE 2000-782	A	20000309
				US 2000-202862P	P	20000510
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				SE 1998-3871	A	19981111
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				SE 1998-3871	A	19981111
				WO 1999-SE1463	W	19990826
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HR 2001000333	A1	20030430		HR 2001-333		20010510
HR 20010333	B1	20041031				

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BG	105582	A	20011231	BG 2001-105582		20010608
				SE 1998-3871	A	19981111
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				WO 1999-SE2052	W	19991111
HK	1040917	A1	20050527	HK 2002-102521		20020404
				SE 1998-3871	A	19981111
				WO 1999-SE1463	A	19990826
				WO 1999-SE2052	A	19991111
ZA	2002002767	A	20030409	ZA 2002-2767		20020409
				WO 1999-SE2052	A	19991111
NO	2002002264	A	20020513	NO 2002-2264		20020513
				WO 1999-SE2052	W	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024

PATENT FAMILY INFORMATION:

FAN 2000:161114

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PI	WO 2000012069	A1	20000309	WO 1999-SE1463		19990826
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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				SE 1998-3871	A	19981111
CA	2311755	AA	20000309	CA 1999-2311755		19990826
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				WO 1999-SE1463	W	19990826
AU	9958918	A1	20000321	AU 1999-58918		19990826
AU	745190	B2	20020314			
				SE 1998-2864	A	19980827
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EP	1039882	A1	20001004	EP 1999-946521		19990826
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				WO 1999-SE1463	W	19990826
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				SE 1998-2864	A	19980827
				SE 1998-3871	A	19981111
HU	200100437	A2	20020529	HU 2001-437		19990826
				SE 1998-2864	A	19980827
				SE 1998-3871	A	19981111
NZ	504618	A	20020927	NZ 1999-504618		19990826
				SE 1998-2864	A	19980827
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				WO 1999-SE1463	W	19990826
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				WO 1999-SE1463	W	19990826

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CA 2350061	C	20050517		
			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
			WO 1999-SE2052	W 19991111
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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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			WO 1999-SE1463	W 19990826
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AU 762410	B2	20030626		
			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
			WO 1999-SE2052	W 19991111
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			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
			WO 1999-SE2052	W 19991111
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			WO 1999-SE1463	W 19990826
			WO 1999-SE2052	W 19991111
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			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
EE 200100254	A	20021216	EE 2001-254	19991111
			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
			WO 1999-SE2052	W 19991111
JP 2003517446	T2	20030527	JP 2000-580595	19991111
JP 3616011	B2	20050202		
			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
			WO 1999-SE2052	W 19991111
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			SE 1998-3871	A 19981111
			WO 1999-SE1463	W 19990826
			WO 1999-SE2052	W 19991111
AT 247458	E	20030915	AT 1999-971702	19991111
			SE 1998-3871	A 19981111
			WO 1999-SE1463	W 19990826
			WO 1999-SE2052	W 19991111
PT 1128819	T	20031231	PT 1999-971702	19991111
			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826
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			SE 1998-3871	A 19981111
			WO 1999-SE1463	W 19990826
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			SE 1998-3871	A 19981111
			WO 1999-SE1463	A 19990826

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			SE 1998-3871	A	19981111	
			WO 1999-SE1463	A	19990826	
			WO 1999-SE2052	A	19991111	
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			SE 1998-3871	A	19981111	
BG 104476	A	20001229	BG 2000-104476		20000526	
			SE 1998-2864	A	19980827	
			SE 1998-3871	A	19981111	
			WO 1999-SE1463	W	19990826	
NO 2000002977	A	20000609	NO 2000-2977		20000609	
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			SE 1998-3864	A	19981111	
			WO 1999-SE1463	W	19990826	
US 6770295	B1	20040803	US 2000-582498		20000809	
			SE 1998-2864	A	19980827	
			SE 1998-3871	A	19981111	
			WO 1999-SE1463	W	19990826	
ZA 2001003575	A	20020503	ZA 2001-3575		20010503	
			SE 1998-3871	A	19981111	
NO 2001002314	A	20010709	NO 2001-2314		20010510	
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			WO 1999-SE1463	W	19990826	
			WO 1999-SE2052	W	19991111	
HR 2001000333	A1	20030430	HR 2001-333		20010510	
HR 20010333	B1	20041031				
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			WO 1999-SE1463	A	19990826	
			WO 1999-SE2052	W	19991111	
BG 105582	A	20011231	BG 2001-105582		20010608	
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			WO 1999-SE1463	W	19990826	
			WO 1999-SE2052	W	19991111	
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			SE 1998-3871	A	19981111	
			WO 1999-SE1463	W	19990826	
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			SE 1998-3871	A	19981111	
			WO 1999-SE1463	A	19990826	
			WO 1999-SE2052	A	19991111	

FAN 2000:161115

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2000012070	A1	20000309	WO 1999-SE1464		19990826
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	RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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	CA 2341063	AA	20000309	CA 1999-2341063		19990826
				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
	AU 9958919	A1	20000321	AU 1999-58919		19990826
	AU 758399	B2	20030320			
				SE 1998-2864	A	19980827

				WO 1999-SE1464	W	19990826
EP 1105111		A1	20010613	EP 1999-946522		19990826
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO						
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				WO 1999-SE1464	W	19990826
JP 2002523446		T2	20020730	JP 2000-567189		19990826
				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
NZ 509928		A	20030829	NZ 1999-509928		19990826
				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
ZA 2000002488		A	20010516	ZA 2000-2488		20000519
				SE 1998-2864	A	19980827
US 6517864		B1	20030211	US 2001-763654		20010430
				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
US 2003124179		A1	20030703	US 2002-301719		20021122
US 7008637		B2	20060307			
				SE 1998-2864	A	19980827
				WO 1999-SE1464	W	19990826
				US 2001-763654	A1	20010430

FAN 2001:359788

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 2001034139	A1	20010517	WO 2000-SE2061		20001024
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
			WO 1999-SE2052	A	19991111
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WO 2000027364	A1	20000518	WO 1999-SE2052		19991111
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW					
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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CA 2387973	AA	20010517	CA 2000-2387973		20001024
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			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
AU 2001013192	A5	20010606	AU 2001-13192		20001024
AU 784104	B2	20060202			
			WO 1999-SE2052	A	19991111
			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
BR 2000015346	A	20020625	BR 2000-15346		20001024
			WO 1999-SE2052	A	19991111
			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
EP 1227806	A1	20020807	EP 2000-975092		20001024

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	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL					
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				WO 1999-SE2052	W	19991111
				SE 2000-782	A	20000309
				WO 2000-SE2061	W	20001024
	JP 2003513918	T2	20030415	JP 2001-536139		20001024
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OS MARPAT 132:339373

AB A controlled release bead comprises: (i) a core unit of a substantially water-soluble or water-swellable inert material; (ii) a first layer on the core unit of a substantially water-insol. polymer; (iii) a second layer covering the first layer and containing an active ingredient; and (iv) a third layer of polymer on the second layer effective for controlled release of the active ingredient, wherein the first layer is adapted to control water penetration into the core. A method of producing the controlled release bead is also disclosed. A bead was prepared comprising a core of starch-cong. sugar sphere, a 1st layer containing Surelease, and 2nd layer containing tolterodine L-tartrate and HPMC, and a 3rd layer containing Surelease/HPMC.

IT 124937-52-6, Tolterodine tartrate

RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(controlled release bead and multiple unit formulation containing it)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

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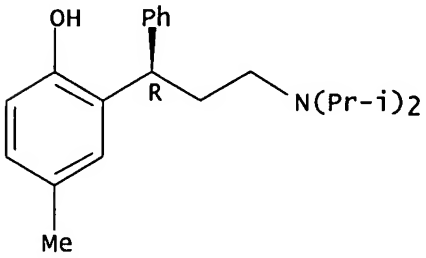
CRN 124937-51-5
CMF C22 H31 N O

Absolute stereochemistry. Rotation (+).



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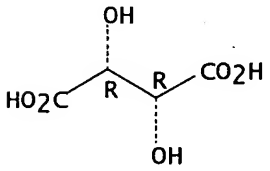

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 77 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
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DN 132:212694
TI Transdermally administered tolterodine as anti-muscarinic agent for the treatment of overactive bladder
IN Orup, Jacobsen Lene; Kreilgard, Bo; Hoeck, Ulla; Kristensen, Helle
PA Pharmacia & Upjohn Ab, Swed.; Orup Jacobsen, Lene
SO PCT Int. Appl., 76 pp.
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DT Patent
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AB A device for transdermal administration of tolterodine, optionally encompassing salts, prodrugs and metabolites thereof, optionally together with pharmaceutically acceptable carrier(s) to a human being or an animal in order to achieve an effect against overactive bladder is described. Examples are given for tolterodine permeation across membranes, dissoln. from drug-in-adhesive acrylates, and formulation of transdermal systems.

IT 124937-52-6
RL: DEV (Device component use); PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(transdermal tolterodine as antimuscarinic agent for treatment of overactive bladder)

RN 124937-52-6 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

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CRN 124937-51-5
CMF C22 H31 N O

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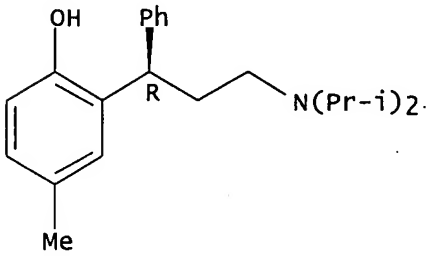

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CMF C4 H6 O6

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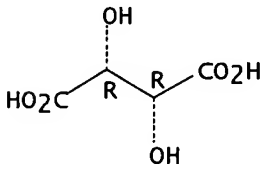

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 78 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2000:161114 CAPLUS
DN 132:212693
TI Therapeutic formulation for administering tolterodine with controlled release
IN Nilvebrant, Lisbeth; Hallen, Bengt; Olsson, Birgitta; Strombom, Jan; Kreilgard, Bo; Orup, Jacobsen Lene; Hoeck, Ulla; Kristensen, Helle; Gren, Torkel; Ringberg, Anders; Wikberg, Martin

PA Pharmacia & Upjohn Ab, Swed.; Orup Jacobsen, Lene; et al.
SO PCT Int. Appl., 30 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

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W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW						
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG						
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			WO 1999-SE2052	A	19991111	
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			WO 2000-SE2061	W	20001024	
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EP 1227806	A1	20020807	EP 2000-975092		20001024	
EP 1227806	B1	20050803				
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JP 2003513918	T2	20030415	JP 2001-536139		20001024	
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			WO 2000-SE2061	W	20001024	

NZ 518309	A	20030530	NZ 2000-518309		20001024
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AT 300941	E	20050815	AT 2000-975092		20001024
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			SE 2000-782	A	20000309
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PT 1227806	T	20051031	PT 2000-975092		20001024
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US 6630162	B1	20031007	US 2000-708428		20001109
			WO 1999-SE2052	A2	19991111
			SE 2000-782	A	20000309
			US 2000-202862P	P	20000510
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NO 2001002314	A	20010709	NO 2001-2314		20010510
			SE 1998-3871	A	19981111
			WO 1999-SE1463	W	19990826
			WO 1999-SE2052	W	19991111
HR 2001000333	A1	20030430	HR 2001-333		20010510
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			WO 1999-SE1463	A	19990826
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BG 105582	A	20011231	BG 2001-105582		20010608
			SE 1998-3871	A	19981111
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HK 1040917	A1	20050527	HK 2002-102521		20020404
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			WO 1999-SE2052	A	19991111
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			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024

FAN 2001:359788

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 2001034139	A1	20010517	WO 2000-SE2061		20001024
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			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
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AU 784104	B2	20060202			
			WO 1999-SE2052	A	19991111
			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
BR 2000015346	A	20020625	BR 2000-15346		20001024
			WO 1999-SE2052	A	19991111
			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
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EP 1227806	B1	20050803			
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			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
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			WO 1999-SE2052	W	19991111
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			WO 2000-SE2061	W	20001024
JP 2003513918	T2	20030415	JP 2001-536139		20001024
			WO 1999-SE2052	A	19991111
			SE 2000-782	A	20000309
			WO 2000-SE2061	W	20001024
NZ 518309	A	20030530	NZ 2000-518309		20001024
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			WO 2000-SE2061	W	20001024
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			WO 2000-SE2061	W	20001024
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			WO 2000-SE2061	W	20001024

FAN 2003:784592

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 6630162	B1	20031007	US 2000-708428		20001109
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				SE 2000-782	A	20000309

US 2000-202862P P 20000510
WO 2000027364 A1 20000518 WO 1999-SE2052 19991111
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
SE 1998-3871 A 19981111
WO 1999-SE1463 W 19990826

AB A method and formulation for treating unstable or overactive urinary bladder, wherein tolterodine or a tolterodine-related compound, or a pharmaceutically acceptable salt thereof, is administered to a patient in a pharmaceutically effective amount thereof through a controlled release formulation that administers tolterodine or said tolterodine-related compound, or salt thereof, at a controlled rate for at least 24 h. A controlled-release capsule containing nonpareil beads coated by an Et cellulose layer, a tolterodine/HPMC layer, and a sustained-release Et cellulose/HPMC layer was prepared

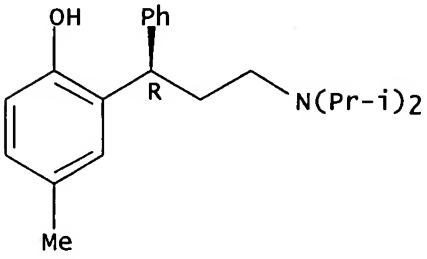
IT 124937-52-6
RL: PEP (Physical, engineering or chemical process); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(controlled-release tolterodine formulations)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

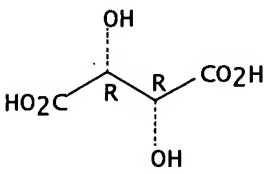
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



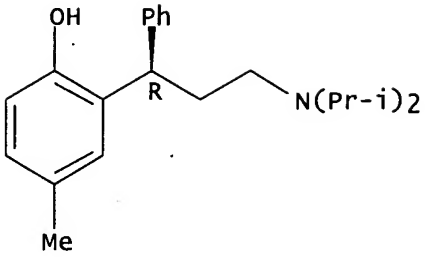
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 79 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:692703 CAPLUS
DN 132:87770
TI Ketoconazole inhibits the metabolism of tolterodine in subjects with deficient CYP2D6 activity
AU Brynne, N.; Forslund, C.; Hallen, B.; Gustafsson, L. L.; Bertilsson, L.
CS Department of Clinical Pharmacology, Pharmacia and Upjohn AB, Stockholm, SE-112 87, Swed.
SO British Journal of Clinical Pharmacology (1999), 48(4), 564-572
CODEN: BCPHBM; ISSN: 0306-5251
PB Blackwell Science Ltd.
DT Journal
LA English
AB The pharmacokinetics and safety of tolterodine and tolterodine metabolites was studied after single-and multiple-dose administration in the absence and presence of ketoconazole, an inhibitor of cytochrome P 450 (CYP) 3A4, in healthy volunteers with deficient CYP2D6 activity, i.e. poor metabolizers of debrisoquine. Eight healthy volunteers received single oral doses (2 mg) of tolterodine L-tartrate. Following a wash-out period of about 3 mo, six of the subjects participated in a multiple-dose (1 mg twice daily) phase of the study. Ketoconazole 200 mg was given once daily for 4-4.5 days during both the single and multiple dose tolterodine administration phases. Blood samples were drawn and the pharmacokinetics of tolterodine and its metabolites were determined A decrease ($P < 0.01$) in apparent oral clearance of tolterodine, from 10-12 l h-1 to 4.3-4.7 l h-1, was obtained during concomitant administration of ketoconazole, yielding at least a two-fold increase in the area under the serum concentration-time curve after single as well as after multiple doses following single dose administration of tolterodine. The mean (±s.d.) terminal half-life increased by 50% from 9.7±2.7 h to 15±5.4 h in the presence of ketoconazole. CYP3A4 is the major enzyme involved in the elimination of tolterodine in individuals with deficient CYP2D6 activity (poor metabolizers), since oral clearance of tolterodine decreased by 60% during ketoconazole coadministration. This inhibition resulted in 2.1-fold increase in AUC.
IT 124937-52-6, Detrusitol
RL: ADV (Adverse effect, including toxicity); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(ketoconazole inhibits the metabolism of tolterodine in human subjects with deficient CYP2D6 activity)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

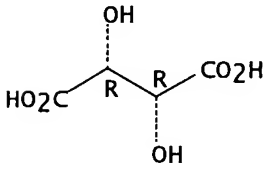
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 80 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1999:692702 CAPLUS
DN 132:87769
TI Fluoxetine inhibits the metabolism of tolterodine-pharmacokinetic implications and proposed clinical relevance
AU Brynne, N.; Svanstrom, C.; Aberg-Wistedt, A.; Hallen, B.; Bertilsson, L.
CS Departments of Clinical Pharmacology, Pharmacia and Upjohn AB, Stockholm, SE-112 87, Swed.
SO British Journal of Clinical Pharmacology (1999), 48(4), 553-563
CODEN: BCPHBM; ISSN: 0306-5251
PB Blackwell Science Ltd.
DT Journal
LA English
AB The change in disposition of tolterodine during coadministration of the potent cytochrome P 450 2D6 (CYP2D6) inhibitor fluoxetine was studied. Thirteen patients received tolterodine L-tartrate 2 mg twice daily for 2.5 days, followed by fluoxetine 20 mg once daily for 3 wk and then concomitant administration for an addnl. 2.5 days. They were characterized as extensive metabolizers (EM1 with one functional CYP2D6 gene, EM2 with two functional genes) or poor metabolizers (PM). Nine patients, three EM2 and four EM1 and two PM, completed the trial. Following tolterodine administration, the area under the serum concentration-time curve (AUC) of tolterodine was 4.4-times and 30-times higher among EM1 and PM, resp., compared with EM2. The AUC of the 5-hydroxymethyl metabolite (5-HM) was not quantifiable in PM. Fluoxetine significantly decreased ($P < 0.002$) the oral clearance of tolterodine by 93% in EM2 and by 80% in EM1. The AUC of 5-HM increased in EM2 and decreased in EM1. However, the exposure to the active moiety (unbound tolterodine +5-HM) was not significantly increased in the two phenotypes. The subdivision of the EM group showed a 2.1-fold increase in active moiety in EM2 but the exposure

was still similar to EM1 compared with before the interaction. The study suggests a difference in the pharmacokinetics of tolterodine and its 5-hydroxymethyl metabolite depending on the number of functional CYP2D6 genes. Fluoxetine significantly inhibited the hydroxylation of tolterodine. Despite the effect on the pharmacokinetics of tolterodine in extensive metabolizers, the clin. effect is expected to be within normal variation.

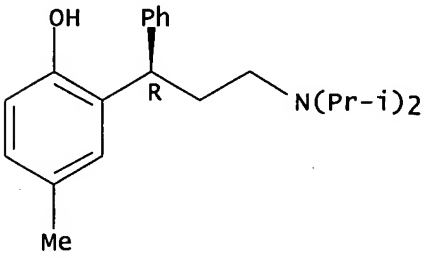
IT 124937-52-6
RL: ADV (Adverse effect, including toxicity); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(fluoxetine inhibits the metabolism of tolterodine-pharmacokinetics)

RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

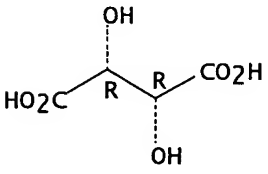
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

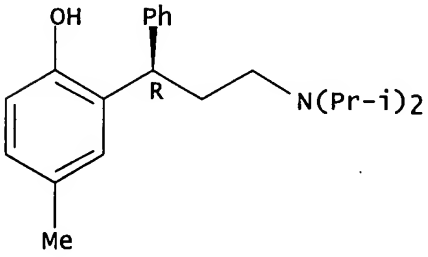
L11 ANSWER 81 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1997:743587 CAPLUS
DN 128:70329
TI Determination of tolterodine and the 5-hydroxymethyl metabolite in plasma, serum and urine using gas chromatography-mass spectrometry
AU Palmer, L.; Andersson, L.; Andersson, T.; Stenberg, U.
CS Department of Bioanalytical Chemistry, Pharmacia and Upjohn AB, Uppsala, S-751 82, Swed.

SO Journal of Pharmaceutical and Biomedical Analysis (1997), 16(1), 155-165
CODEN: JPBADA; ISSN: 0731-7085
PB Elsevier Science B.V.
DT Journal
LA English
AB A specific and sensitive capillary gas chromatog.-mass spectrometry assay for the determination of tolterodine and the 5-hydroxymethyl metabolite (Labcode
DD 01) in plasma, serum and urine is described. Extraction of the analytes was performed with liquid/liquid or solid-phase extraction prior to derivatization with
a silyl reagent. The derivs. were quantified by selected ion monitoring mass spectrometry using deuterium-labeled internal stds. A single level calibration curve was utilised for quantification of plasma, serum and urine concns. of tolterodine and DD 01. The accuracy (inter- and intra-day) for both analytes was within 87-110% in the range 0.5 and 50 ng mL-1 and precision was better than 90%. Overall, this method was shown to be reliable for pharmacokinetic assays of tolterodine and the metabolite DD 01 in samples from preclin. and clin. studies.
IT 124937-52-6, PNU 200583E
RL: BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process)
(determination of tolterodine and the 5-hydroxymethyl metabolite in plasma, serum and urine using gas chromatog.-mass spectrometry)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

Absolute stereochemistry. Rotation (+).



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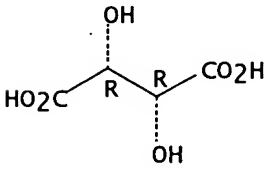
CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 82 OF 82 CAPLUS COPYRIGHT 2006 ACS on STN
AN 1990:55211 CAPLUS
DN 112:55211
TI 3,3-Diphenylpropylamines as drugs, especially anticholinergic agents, and their preparation and formulations containing them
IN Joensson, Nils Ake; Sparf, Bengt Ake; Mikiver, Lembit; Moses, Pinchas; Nilvebrant, Lisbet; Glas, Gunilla
PA KabiVitrum AB, Swed.
SO Eur. Pat. Appl., 37 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	EP 325571	A1	19890726	EP 1989-850017		19890120
	EP 325571	B1	19910807			
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				SE 1988-207	A	19880122
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	RW: AT, BE, CH, DE, FR, GB, IT, LU, NL, SE					
				SE 1988-207	A	19880122
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	AU 635493	B2	19930325			
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				WO 1989-SE16	W	19890120
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				EP 1989-850017	A	19890120
	HU 58040	A2	19920128	HU 1989-1069		19890120
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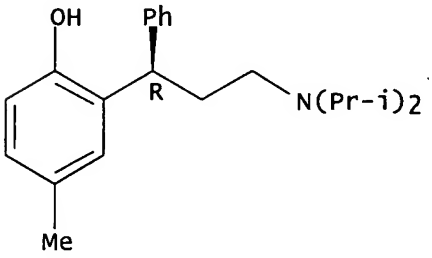
	US 5382600	A	19950117	US 1991-810185		19911219
				SE 1988-207	A	19880122
				US 1990-543767	B1	19900924

OS MARPAT 112:55211
AB The title compds. I (R1 = H, Me; R2-R4 = H, Me, MeO, OH, halo, carbamoyl, etc.; X = NR5R6; R5, R6 = non-aromatic hydrocarbyl, together containing ≥3 C atoms; or NR5R6 may form a ring) and physiol. acceptable acid addition salts, useful as drugs (especially as anticholinergics), were prepared A mixture of 3,3-bis-(2-methoxyphenyl)propyl p-toluenesulfonate and diisopropylamine in MeCN was heated at 80° for 4-6 days to give, after workup and treatment with oxalic acid, the title compound N,N-diisopropyl-3,3-bis-(2-methoxyphenyl)propylamine oxalate. I (R1 = H, R2 = R3 = H, R4 = OH, X = NMeCMe3) (II) exhibited an IC50 of 4.9 + 10-9 M in a test for anticholinergic activity in isolated guinea pig bladder. This compared to 5.2 + 10-7 M for terodiline; II also showed comparable Ca-antagonistic effect and lower toxicity. Formulations containing I are given.
IT 124937-52-6P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation of, as drug, especially anticholinergic)
RN 124937-52-6 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

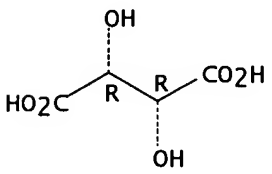
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



=> d l12 1-6 fbib ab hitstr

L12 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2006:600616 CAPLUS
DN 145:83107
TI Preparation of tolterodine from protected benzylmethylphenol and (diisopropylamino)ethyl halides or sulfonates
IN Yamada, Tsukasa; Itaya, Nobushige; Tanaka, Masahide
PA Sumitomo Chemical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

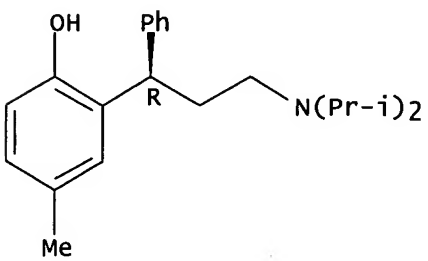
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 2006160622	A2	20060622	JP 2004-350942	20041203
			JP 2004-350942	20041203

OS MARPAT 145:83107
AB Tolterodine, useful for treatment of incontinence, is prepared by (1) treatment of benzylphenols I (R = OH-protecting group; A = H) with bases, (2) reaction with (Me2CH)2NCH2CH2X (X = halo, alkylsulfonyloxy, arylsulfonyloxy) (II), and (3) deprotection of the resulting I [R = same as above; A = CH2CH2N(CHMe2)2]. Thus, a mixture of 2-benzyl-4-methylanisole (III) and 3-benzyl-4-methylanisole (2.7:1), prepared by reacting 4-methylanisole and PhCH2OH, was dissolved in THF and treated with BuLi at 0° for 6 h. II (X = Cl) was added dropwise to the above reaction mixture at -78° and the reaction mixture was stirred at room temperature for 1 h to give 98.5% (based on III) N,N-diisopropyl-3-(2-methoxy-5-methylphenyl)-3-phenylpropanamine as mixture with N,N-diisopropyl-3-(5-methoxy-2-methylphenyl)-3-phenylpropanamine (10:1). This mixture was dissolved in AcOH and treated with HBr under reflux for 3 h to give 85.7% racemic tolterodine. The racemate was further converted into optically-active tolterodine tartrate upon reaction with L-tartaric acid.
IT 209747-05-7P
RL: IMF (Industrial manufacture); PUR (Purification or recovery); SPN (Synthetic preparation); PREP (Preparation)
(preparation of tolterodine from protected benzylmethylphenol and (diisopropylamino)ethyl halides or sulfonates using bases)
RN 209747-05-7 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

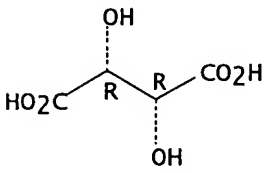
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.

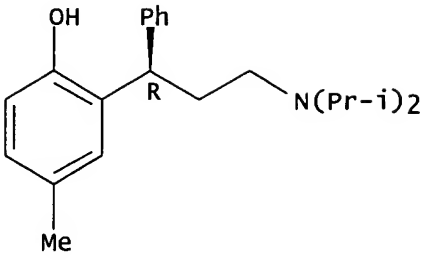


L12 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2005:1209252 CAPLUS
DN 144:16947
TI Juvenile pig detrusor: Effects of propiverine and three of its metabolites
AU Wuest, Melinda; Braeter, Manfred; Schoeberl, Christian; Ravens, Ursula
CS Institute of Pharmacology and Toxicology, Dresden University of Technology, Dresden, Germany
SO European Journal of Pharmacology (2005), 524(1-3), 145-148
CODEN: EJPHAZ; ISSN: 0014-2999
PB Elsevier B.V.
DT Journal
LA English
AB In isolated detrusor strips, propiverine is known to be effective to decrease contractions elicited by elec. field stimulation (EFS). Here we investigated whether the metabolites M-5, M-6 and M-14 of propiverine retain the pharmacol. properties of the parent compound also in juvenile organisms. EFS-induced contractions of detrusor strips from juvenile pigs are more sensitive to atropine than strips from mature pigs. The atropine-resistant component of contraction is also significantly larger in juvenile pigs. Propiverine, its metabolites M-5, M-14 and also tolterodine completely reduced detrusor contraction in juvenile pigs. M-6 almost did not affect atropine-resistant contractions. We conclude that juvenile pig detrusors possess a higher atropine-resistant component of EFS-elicited contraction. Nevertheless order of potency and efficacy of propiverine and its metabolites M-5 and M-14 are similar in juvenile and mature pigs, while M-6 only reduces atropine-sensitive contractions in the juvenile organism.
IT 209747-05-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(effects of propiverine and three of its metabolites on juvenile pig detrusor)
RN 209747-05-7 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

Absolute stereochemistry. Rotation (+).



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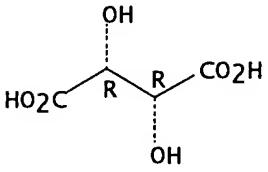
CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:722238 CAPLUS
DN 140:321103
TI Synthesis of tolterodine L-tartrate
IN Yuan, Zhedong; Yu, Xiong; Wang, Qiang; Zhang, Xiuping
PA Shanghai Institute of Pharmaceutical Industry, Peop. Rep. China
SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 8 pp.
CODEN: CNXXEV
DT Patent
LA Chinese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1379018	A	20021113	CN 2002-111560	20020429
				CN 2002-111560	20020429

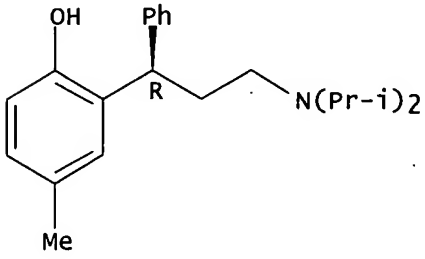
OS CASREACT 140:321103
AB The process comprises cyclizing trans-cinnamic acid with 4-methylphenol in the presence of H2SO4 at 120-150° to obtain 6-methyl-4-phenyl-3,4-dihydrocoumarin, methylating with di-Me sulfate in alc. or acetone to obtain 3-(2-methoxy-5-methylphenyl)-3-phenylpropanoic acid, chlorinating with SOCl2 and aminating with diisopropylamine to obtain N,N-diisopropyl-3-(2-methoxy-5-methylphenyl)-3-phenylpropanamide, reducing with KBH4 and Lewis acid (such as ZnCl2 or AlCl3) in solvent (such as THF, dioxane, or toluene) at 80-100° to obtain N,N-diisopropyl-3-(2-methoxy-5-methylphenyl)-3-phenylpropanamine; demethylating with >40% HBr to obtain N,N-diisopropyl-3-(2-hydroxy-5-methylphenyl)-3-phenylpropanamine; and salifying with L-tartaric acid in alc. or 90-95% alc.
IT 209747-05-7P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(synthesis of tolterodine L-tartrate)

RN 209747-05-7 CAPLUS
CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

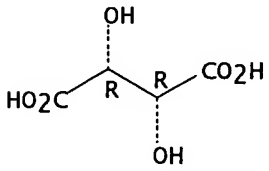
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L12 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2003:242003 CAPLUS
DN 138:260465
TI Pharmaceutical composition comprising receptor agonists and antagonists treatment of urinary disorder
IN Arneric, Stephen P.; Andersson, Per-Olof
PA USA
SO U.S. Pat. Appl. Publ., 8 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	US 2003060513	A1	20030327	US 2001-965556		20010927
	CA 2461731	AA	20030403	CA 2002-2461731		20020926
				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926
	WO 2003026564	A2	20030403	WO 2002-SE1748		20020926
	WO 2003026564	A3	20031211			
	WO 2003026564	C2	20040617			

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            GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
            LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
            PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
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                                              SE 2001-3858        A  20011120
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                                              SE 2001-3858        A  20011120
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    US 2004116533       A1     20040617       US 2003-729764         20031205
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    ZA 2004002362       A      20050120       ZA 2004-2362           20040325
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PATENT FAMILY INFORMATION:
FAN  2003:261600
     PATENT NO.          KIND   DATE         APPLICATION NO.          DATE
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PI   WO 2003026564       A2     20030403     WO 2002-SE1748           20020926
     WO 2003026564       A3     20031211
     WO 2003026564       C2     20040617
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            PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
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                                              US 2001-965556      A  20010927
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    CA 2461731          AA     20030403       CA 2002-2461731        20020926
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				WO 2002-SE1748	W	20020926
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				US 2001-965556	A	20010927
				SE 2001-3858	A	20011120
				WO 2002-SE1748	W	20020926

AB The present invention concerns the field of urol. The invention provides a novel pharmaceutical composition, comprising a pharmaceutically effective combination of (i) a first compound selected from the group consisting of muscarinic receptor antagonists, 5α-reductase inhibitors, and α-adrenergic receptor antagonists, and precursors and pharmaceutically acceptable salts thereof, and (ii) a second compound selected from the group consisting of 5-HT1a receptor agonists and antagonists, and precursors and pharmaceutically acceptable salts thereof, and optionally a pharmaceutically acceptable carrier or diluent therefor. There is also provided a method of therapeutical treatment of urinary disorder in a mammal, including man, comprising administering to said mammal, including man, in need of such treatment, a therapeutically effective amount of a composition according to the invention. A pharmaceutical composition contained between about 2 mg to about 20 mg of 5a-reductase inhibitor and between about 0.5 mg to about 50 mg of neutral 5-HT1a receptor antagonist. The composition is administered to a patient for the treatment of urinary disorder.

IT 209747-05-7
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(pharmaceutical composition comprising receptor agonists and antagonists treatment of urinary disorder)

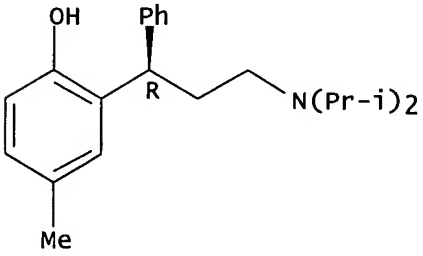
RN 209747-05-7 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

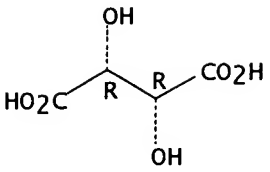
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



L12 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2001:359788 CAPLUS
DN 134:371775
TI Pharmaceutical formulation containing tolterodine for bladder disorders
IN Nilvebrant, Lisbeth; Hallen, Bengt; Olsson, Birgitta; Stroembom, Jan; Gren, Torkel; Ringberg, Anders; Wikberg, Martin
PA Pharmacia AB, Swed.
SO PCT Int. Appl., 23 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 5

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
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				WO 2000-SE2061	W	20001024
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PATENT FAMILY INFORMATION:

FAN 2000:161114

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AB The invention relates to a pharmaceutical formulation containing tolterodine or a tolterodine-related compound, or a pharmacol. acceptable salt thereof, as active ingredient, in which the formulation exhibits a controlled in vitro release of the active ingredient in phosphate buffer at pH 6.8 of not less than about 80 after 18 h, and after oral administration to a patient is capable of maintaining a substantially constant serum level of the active moiety or moieties for 24 h. The invention also relates to the use of the pharmaceutical formulation for treating overactive bladder and gastrointestinal disorders. Controlled release beads and capsules comprising multilayers were prepared containing tolterodine L-tartrate were prepared

IT 209747-05-7
RL: BPR (Biological process); BSU (Biological study, unclassified); PEP (Physical, engineering or chemical process); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PROC (Process); USES (Uses)
(pharmaceutical formulation containing tolterodine for bladder disorders)

RN 209747-05-7 CAPLUS

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CRN 124937-51-5
CMF C22 H31 N O

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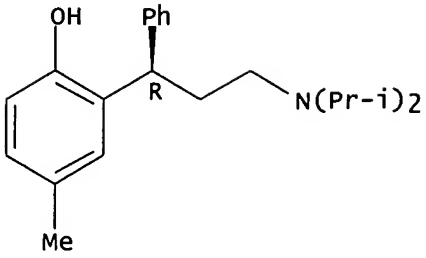

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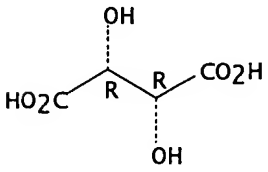

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
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L12 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
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TI Preparation of tolterodine via 3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-ol as an intermediate.
IN Gage, James R.; Cabaj, John E.
PA Pharmacia and Upjohn Co., USA
SO PCT Int. Appl., 14 pp.
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LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9829402	A1	19980709	WO 1997-US22521	19971218
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
	RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
				US 1996-33961P	P 19961213
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US 5922914		A	19990713	US 1997-993257		19971218
				US 1996-33961P	P	19961213
EP 960109		A1	19991201	EP 1997-954678		19971218
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				US 1996-33961P	P	19961213
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CN 1238768		A	19991215	CN 1997-180147		19971218
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NZ 336533		A	20000526	NZ 1997-336533		19971218
				US 1996-33961P	P	19961213
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				US 1996-33961P	P	19961213
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RU 2176246		C2	20011127	RU 1999-116356		19971218
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HU 200000527		A2	20011128	HU 2000-527		19971218
				US 1996-33961P	P	19961213
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AT 226949		E	20021115	AT 1997-954678		19971218
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SK 283591		B6	20031007	SK 1999-815		19971218
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OS CASREACT 129:95317

AB Novel intermediate 3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-ol (I) and an improved process for the preparation of tolterodine using I are claimed. Thus, a mixture of I and (Me2CH)2NH in MeOH was hydrogenated over Pd/C at 45-50° and 48° for ca. 10 h followed by addition of HCl to give tolterodine hydrochloride.

IT 209747-05-7P, (R)-Tolterodine L-tartrate
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of tolterodine via 3,4-dihydro-6-methyl-4-phenyl-2H-benzopyran-2-ol as an intermediate)

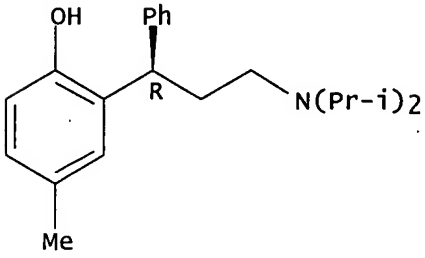
RN 209747-05-7 CAPLUS

CN Phenol, 2-[(1R)-3-[bis(1-methylethyl)amino]-1-phenylpropyl]-4-methyl-, (2R,3R)-2,3-dihydroxybutanedioate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 124937-51-5
CMF C22 H31 N O

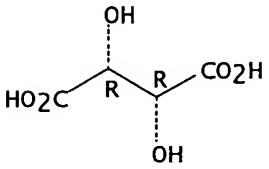
Absolute stereochemistry. Rotation (+).



CM 2

CRN 87-69-4
CMF C4 H6 O6

Absolute stereochemistry.



RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT